



ANALYTICAL DATA REPORT

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742

Project Name: **ARSYNCO**
IAL Case Number: **E12-09988**

These data have been reviewed and accepted by:

Michael H. Lefkin, Ph.D.
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of Integrated Analytical Laboratories, LLC. The test results included in this report relate only to the samples analyzed.

Sample Summary

IAL Case No.

E12-09988

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/ 2/2012@17:05

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
09988-001	BB-44 (0-1.0)	0/1	10/ 2/2012@09:12	Soil	1
09988-002	BB-44 (1.0-2.0)	1/2	10/ 2/2012@09:13	Soil	1
09988-003	BB-44 (2.0-3.0)	2/3	10/ 2/2012@09:14	Soil	1
09988-004	BB-44 (3.0-4.0)	3/4	10/ 2/2012@09:15	Soil	1
09988-005	BB-43 (0-1.0)	0/1	10/ 2/2012@10:00	Soil	1
09988-006	BB-43 (1.0-2.0)	1/2	10/ 2/2012@10:01	Soil	1
09988-007	BB-43 (2.0-3.0)	2/3	10/ 2/2012@10:02	Soil	1
09988-008	BB-43 (3.0-4.0)	3/4	10/ 2/2012@10:03	Soil	1
09988-009	CC-43 (0-1.0)	0/1	10/ 2/2012@11:06	Soil	1
09988-010	CC-43 (1.0-2.0)	1/2	10/ 2/2012@11:07	Soil	1
09988-011	CC-43 (2.0-3.0)	2/3	10/ 2/2012@11:08	Soil	1
09988-012	CC-43 (3.0-4.0)	3/4	10/ 2/2012@11:09	Soil	1
09988-013	DD-41 (0-1.0)	0/1	10/ 2/2012@11:52	Soil	1
09988-014	DD-41 (1.0-2.0)	1/2	10/ 2/2012@11:53	Soil	1
09988-015	DD-41 (2.0-3.0)	2/3	10/ 2/2012@11:54	Soil	1
09988-016	DD-41 (3.0-4.0)	3/4	10/ 2/2012@11:55	Soil	1
09988-017	DD-40 (0-1.0)	0/1	10/ 2/2012@13:07	Soil	1
09988-018	DD-40 (1.0-2.0)	1/2	10/ 2/2012@13:08	Soil	1
09988-019	DD-40 (2.0-3.0)	2/3	10/ 2/2012@13:09	Soil	1
09988-020	DD-40 (3.0-4.0)	3/4	10/ 2/2012@13:10	Soil	1
09988-021	DD-42 (0-1.0)	0/1	10/ 2/2012@14:37	Soil	1
09988-022	DD-42 (1.0-2.0)	1/2	10/ 2/2012@14:38	Soil	1
09988-023	DD-42 (2.0-3.0)	2/3	10/ 2/2012@14:39	Soil	1
09988-024	DD-42 (3.0-4.0)	3/4	10/ 2/2012@14:40	Soil	1
09988-025	FB-44	n/a	10/ 2/2012@14:50	Aqueous	2

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

	<u>Page</u>
Qualifiers	1
Conformance / NonConformance Summaries	2
Results Summary Report	7
Analytical Results	11
PCBs	12
Methodology Summary *	
PCBs	37
PCBs QC Summary	38
Surrogate Percent Recovery Summary	
LCS, MS/MSD Recovery Summary	
Method Blank Summary	
Initial Calibration Summary	
Initial/Continuing Calibration Verification Summary	
Retention Time Shift Summary	
PCBs Sample Data	93
Sample Quant Report and Chromatogram	
Method Blank Results	
Method Blank Quant Report and Chromatogram	
Sample Tracking	166
Chains of Custody	
Project Information	
Sample Receipt Verification	
Laboratory Chronicle	
Last Page of the Report	172

This report was finalized on October 18, 2012

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

- B Indicates the analyte was found in the associated method blank as well as in the sample. It indicates probable laboratory contamination.
- C Indicates analyte is a common laboratory contaminant.
- D Indicated analyte was reported from diluted analysis.
- E Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument for that specific analysis.
- J Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL.

REPORTING DEFINITIONS

- RL Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.
- MDL Method Detection Limit as determined according to 40CFR Part 136 Appendix B.
- PQL Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.
- ND Indicates analyte was analyzed for but not detected above the MDL.
- DF Dilution Factor
- LCS Laboratory Control Sample
- LCSD Laboratory Control Sample Duplicate
- MS Matrix Spike
- MSD Matrix Spike Duplicate
- DUP Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

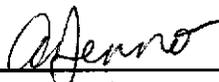
INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and twenty-four (24) soil sample(s) from JMC Environmental Consultants (IAL SDG # E12-09988, Project: ARSYNCO) on October 2, 2012 for the analysis of:

(25) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:



Reviewed by

10/17/12

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-09988

PCB By 8082

Batch ID: 121011-03

Matrix: Soil

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery did not meet QC criteria. for samples 005,006,014 surrogate diluted out
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The RPD between the primary and secondary column was >40% for the following sampls: 006,014. Per SW-846 8000C, the lower of the two concentrations were reported.
- E12-09988**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - Job: E12-09988 (PCB)
The following sample(s) does not meet the NJ SRS:
09988-005 needed a 100x dilution for high concentration of 1248
09988-006 needed a 500x dilution for high concentration of 1248
09988-007 needed a 10x dilution for high concentration of 1248
09988-014 needed a 100x dilution for high concentration of 1248
09988-018 needed a 10x dilution for high concentration of 1248
rest of the samples performed with no dilutions
samples 002,013,015,019,010,017 did not meet NJ SRS due to high moisture of samples

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-09988

PCB By 8082

Batch ID: 121011-05

Matrix: Soil

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The RPD between the primary and secondary column was >40% for the following samples: 021. Per SW-846 8000C, the lower of the two concentrations were reported.
- E12-09988**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - Job: E12-09988 (PCB)
The following sample(s) does not meet the NJ SRS:
09988-022 needed a 10x dilution for high concentration of 1248
REST OF THE SAMPLES FOR JOB E12-09988 BATCH 121011-05 PERFORMED WITH NO DILUTIONS

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E12-09988

PCB By 8082

Batch ID: 121004-07

Matrix: Aqueous

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
- E12-09988**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - SAMPLES FOR JOB E12-09988 BATCH 121004-07 PERFORMED WITH NO DILUTIONS

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E12-09988

Lab ID:	09988-025
Client ID:	FB-44
Matrix:	Aqueous
Sampled Date	10/2/12
PARAMETER(Units)	Conc Q MDL
PCB's (Units)	(mg/L-ppm)
Aroclor-1016	ND 0.00002
Aroclor-1221	ND 0.00002
Aroclor-1232	ND 0.00002
Aroclor-1242	ND 0.00002
Aroclor-1248	ND 0.00002
Aroclor-1254	ND 0.00002
Aroclor-1260	ND 0.00002
Aroclor-1262	ND 0.00002
Aroclor-1268	ND 0.00002
PCBs	ND 0.00002

Lab ID:	09988-001	09988-002	09988-003	09988-004
Client ID:	BB-44 (0-1.0)	BB-44 (1.0-2.0)	BB-44 (2.0-3.0)	BB-44 (3.0-4.0)
Depth:	0/1	1/2	2/3	3/4
Matrix:	Soil	Soil	Soil	Soil
Sampled Date	10/2/12	10/2/12	10/2/12	10/2/12
PARAMETER(Units)	Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's (Units)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)
Aroclor-1016	ND 0.064	ND 0.125	ND 0.054	ND 0.019
Aroclor-1221	ND 0.064	ND 0.125	ND 0.054	ND 0.019
Aroclor-1232	ND 0.064	ND 0.125	ND 0.054	ND 0.019
Aroclor-1242	ND 0.064	ND 0.125	ND 0.054	ND 0.019
Aroclor-1248	6.10 0.064	2.12 0.125	0.380 0.054	ND 0.019
Aroclor-1254	ND 0.064	ND 0.125	ND 0.054	ND 0.019
Aroclor-1260	ND 0.064	ND 0.125	ND 0.054	ND 0.019
Aroclor-1262	ND 0.064	ND 0.125	ND 0.054	ND 0.019
Aroclor-1268	ND 0.064	ND 0.125	ND 0.054	ND 0.019
PCBs	6.10 0.064	2.12 0.125	0.380 0.054	ND 0.019

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E12-09988

Lab ID:	09988-005		09988-006		09988-007		09988-008		
Client ID:	BB-43 (0-1.0)		BB-43 (1.0-2.0)		BB-43 (2.0-3.0)		BB-43 (3.0-4.0)		
Depth:	0/1		1/2		2/3		3/4		
Matrix:	Soil		Soil		Soil		Soil		
Sampled Date	10/2/12		10/2/12		10/2/12		10/2/12		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND		8.80	ND		26.6	ND		0.435
Aroclor-1221	ND		8.80	ND		26.6	ND		0.435
Aroclor-1232	ND		8.80	ND		26.6	ND		0.435
Aroclor-1242	ND		8.80	ND		26.6	ND		0.435
Aroclor-1248	861		8.80	2880		26.6	102		0.435
Aroclor-1254	ND		8.80	ND		26.6	ND		0.435
Aroclor-1260	ND		8.80	ND		26.6	ND		0.435
Aroclor-1262	ND		8.80	ND		26.6	ND		0.435
Aroclor-1268	ND		8.80	ND		26.6	ND		0.435
PCBs	861		8.80	2880		26.6	102		0.435
							0.469		0.021
Lab ID:	09988-009		09988-010		09988-011		09988-012		
Client ID:	CC-43 (0-1.0)		CC-43 (1.0-2.0)		CC-43 (2.0-3.0)		CC-43 (3.0-4.0)		
Depth:	0/1		1/2		2/3		3/4		
Matrix:	Soil		Soil		Soil		Soil		
Sampled Date	10/2/12		10/2/12		10/2/12		10/2/12		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND		0.067	ND		0.083	ND		0.055
Aroclor-1221	ND		0.067	ND		0.083	ND		0.055
Aroclor-1232	ND		0.067	ND		0.083	ND		0.055
Aroclor-1242	ND		0.067	ND		0.083	ND		0.055
Aroclor-1248	11.5		0.067	5.40		0.083	ND		0.055
Aroclor-1254	ND		0.067	ND		0.083	ND		0.055
Aroclor-1260	ND		0.067	ND		0.083	ND		0.055
Aroclor-1262	ND		0.067	ND		0.083	ND		0.055
Aroclor-1268	ND		0.067	ND		0.083	ND		0.055
PCBs	11.5		0.067	5.40		0.083	ND		0.055
							0.094		0.019

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E12-09988

Lab ID:	09988-013			09988-014			09988-015			09988-016		
Client ID:	DD-41 (0-1.0)			DD-41 (1.0-2.0)			DD-41 (2.0-3.0)			DD-41 (3.0-4.0)		
Depth:	0/1			1/2			2/3			3/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/2/12			10/2/12			10/2/12			10/2/12		
PARAMETER(Units)	Conc	Q	MDL									
PCB's (Units)	<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND		0.085	ND		8.38	ND		0.113	ND		0.020
Aroclor-1221	ND		0.085	ND		8.38	ND		0.113	ND		0.020
Aroclor-1232	ND		0.085	ND		8.38	ND		0.113	ND		0.020
Aroclor-1242	ND		0.085	ND		8.38	ND		0.113	ND		0.020
Aroclor-1248	12.6		0.085	497		8.38	30.7		0.113	ND		0.020
Aroclor-1254	ND		0.085	ND		8.38	ND		0.113	ND		0.020
Aroclor-1260	ND		0.085	ND		8.38	ND		0.113	ND		0.020
Aroclor-1262	ND		0.085	ND		8.38	ND		0.113	ND		0.020
Aroclor-1268	ND		0.085	ND		8.38	ND		0.113	ND		0.020
PCBs	12.6		0.085	497		8.38	30.7		0.113	ND		0.020
Lab ID:	09988-017			09988-018			09988-019			09988-020		
Client ID:	DD-40 (0-1.0)			DD-40 (1.0-2.0)			DD-40 (2.0-3.0)			DD-40 (3.0-4.0)		
Depth:	0/1			1/2			2/3			3/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/2/12			10/2/12			10/2/12			10/2/12		
PARAMETER(Units)	Conc	Q	MDL									
PCB's (Units)	<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND		0.106	ND		0.335	ND		0.108	ND		0.022
Aroclor-1221	ND		0.106	ND		0.335	ND		0.108	ND		0.022
Aroclor-1232	ND		0.106	ND		0.335	ND		0.108	ND		0.022
Aroclor-1242	ND		0.106	ND		0.335	ND		0.108	ND		0.022
Aroclor-1248	19.4		0.106	137		0.335	2.33		0.108	ND		0.022
Aroclor-1254	ND		0.106	ND		0.335	ND		0.108	ND		0.022
Aroclor-1260	ND		0.106	ND		0.335	ND		0.108	ND		0.022
Aroclor-1262	ND		0.106	ND		0.335	ND		0.108	ND		0.022
Aroclor-1268	ND		0.106	ND		0.335	ND		0.108	ND		0.022
PCBs	19.4		0.106	137		0.335	2.33		0.108	ND		0.022
Lab ID:	09988-021			09988-022			09988-023			09988-024		
Client ID:	DD-42 (0-1.0)			DD-42 (1.0-2.0)			DD-42 (2.0-3.0)			DD-42 (3.0-4.0)		
Depth:	0/1			1/2			2/3			3/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	10/2/12			10/2/12			10/2/12			10/2/12		
PARAMETER(Units)	Conc	Q	MDL									
PCB's (Units)	<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>			<i>(mg/Kg-ppm)</i>		
Aroclor-1016	ND		0.070	ND		1.25	ND		0.124	ND		0.020
Aroclor-1221	ND		0.070	ND		1.25	ND		0.124	ND		0.020
Aroclor-1232	ND		0.070	ND		1.25	ND		0.124	ND		0.020
Aroclor-1242	ND		0.070	ND		1.25	ND		0.124	ND		0.020
Aroclor-1248	10.2		0.070	100		1.25	1.36		0.124	ND		0.020
Aroclor-1254	ND		0.070	ND		1.25	ND		0.124	ND		0.020
Aroclor-1260	2.34		0.070	ND		1.25	ND		0.124	ND		0.020
Aroclor-1262	ND		0.070	ND		1.25	ND		0.124	ND		0.020
Aroclor-1268	ND		0.070	ND		1.25	ND		0.124	ND		0.020
PCBs	12.5		0.070	100		1.25	1.36		0.124	ND		0.020

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-001
 Client ID: BB-44_(0-1)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2457.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.19g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 75.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.160	0.064
Aroclor-1221	ND		0.160	0.064
Aroclor-1232	ND		0.160	0.064
Aroclor-1242	ND		0.160	0.064
Aroclor-1248	6.10		0.160	0.064
Aroclor-1254	ND		0.160	0.064
Aroclor-1260	ND		0.160	0.064
Aroclor-1262	ND		0.160	0.064
Aroclor-1268	ND		0.160	0.064
PCBs	6.10		0.160	0.064

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-002
 Client ID: BB-44_(1.0
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2458.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.08g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 87.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.312	0.125
Aroclor-1221	ND		0.312	0.125
Aroclor-1232	ND		0.312	0.125
Aroclor-1242	ND		0.312	0.125
Aroclor-1248	2.12		0.312	0.125
Aroclor-1254	ND		0.312	0.125
Aroclor-1260	ND		0.312	0.125
Aroclor-1262	ND		0.312	0.125
Aroclor-1268	ND		0.312	0.125
PCBs	2.12		0.312	0.125

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-003
 Client ID: BB-44_(2.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2459.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.52g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 73.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.134	0.054
Aroclor-1221	ND		0.134	0.054
Aroclor-1232	ND		0.134	0.054
Aroclor-1242	ND		0.134	0.054
Aroclor-1248	0.380		0.134	0.054
Aroclor-1254	ND		0.134	0.054
Aroclor-1260	ND		0.134	0.054
Aroclor-1262	ND		0.134	0.054
Aroclor-1268	ND		0.134	0.054
PCBs	0.380		0.134	0.054

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-004
 Client ID: BB-44_(3.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2460.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.56g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 23.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	ND		0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	ND		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-005
Client ID: BB-43_(0-1)
Date Received: 10/02/2012
Date Extracted: 10/11/2012
Date Analyzed: 10/16/2012
Data file: Y2505.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.94g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 84.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		22.0	8.80
Aroclor-1221	ND		22.0	8.80
Aroclor-1232	ND		22.0	8.80
Aroclor-1242	ND		22.0	8.80
Aroclor-1248	861		22.0	8.80
Aroclor-1254	ND		22.0	8.80
Aroclor-1260	ND		22.0	8.80
Aroclor-1262	ND		22.0	8.80
Aroclor-1268	ND		22.0	8.80
PCBs	861		22.0	8.80

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-006
 Client ID: BB-43_(1.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/16/2012
 Data file: Y2506.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.32g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 500
 % Moisture: 71.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		66.4	26.6
Aroclor-1221	ND		66.4	26.6
Aroclor-1232	ND		66.4	26.6
Aroclor-1242	ND		66.4	26.6
Aroclor-1248	2880		66.4	26.6
Aroclor-1254	ND		66.4	26.6
Aroclor-1260	ND		66.4	26.6
Aroclor-1262	ND		66.4	26.6
Aroclor-1268	ND		66.4	26.6
PCBs	2880		66.4	26.6

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-007
Client ID: BB-43_(2.0)
Date Received: 10/02/2012
Date Extracted: 10/11/2012
Date Analyzed: 10/16/2012
Data file: Y2507.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.38g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 65.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		1.09	0.435
Aroclor-1221	ND		1.09	0.435
Aroclor-1232	ND		1.09	0.435
Aroclor-1242	ND		1.09	0.435
Aroclor-1248	102		1.09	0.435
Aroclor-1254	ND		1.09	0.435
Aroclor-1260	ND		1.09	0.435
Aroclor-1262	ND		1.09	0.435
Aroclor-1268	ND		1.09	0.435
PCBs	102		1.09	0.435

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-008
 Client ID: BB-43_(3.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2464.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.03g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 24.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.053	0.021
Aroclor-1221	ND		0.053	0.021
Aroclor-1232	ND		0.053	0.021
Aroclor-1242	ND		0.053	0.021
Aroclor-1248	0.469		0.053	0.021
Aroclor-1254	ND		0.053	0.021
Aroclor-1260	ND		0.053	0.021
Aroclor-1262	ND		0.053	0.021
Aroclor-1268	ND		0.053	0.021
PCBs	0.469		0.053	0.021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-009
Client ID: CC-43_(0-1)
Date Received: 10/02/2012
Date Extracted: 10/11/2012
Date Analyzed: 10/15/2012
Data file: Y2465.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.45g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 78.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.168	0.067
Aroclor-1221	ND		0.168	0.067
Aroclor-1232	ND		0.168	0.067
Aroclor-1242	ND		0.168	0.067
Aroclor-1248	11.5		0.168	0.067
Aroclor-1254	ND		0.168	0.067
Aroclor-1260	ND		0.168	0.067
Aroclor-1262	ND		0.168	0.067
Aroclor-1268	ND		0.168	0.067
PCBs	11.5		0.168	0.067

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-010
 Client ID: CC-43_(1.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/16/2012
 Data file: Y2508.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.05g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 80.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.207	0.083
Aroclor-1221	ND		0.207	0.083
Aroclor-1232	ND		0.207	0.083
Aroclor-1242	ND		0.207	0.083
Aroclor-1248	5.40		0.207	0.083
Aroclor-1254	ND		0.207	0.083
Aroclor-1260	ND		0.207	0.083
Aroclor-1262	ND		0.207	0.083
Aroclor-1268	ND		0.207	0.083
PCBs	5.40		0.207	0.083

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-011
Client ID: CC-43_(2.0)
Date Received: 10/02/2012
Date Extracted: 10/11/2012
Date Analyzed: 10/15/2012
Data file: Y2467.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.49g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 73.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.139	0.055
Aroclor-1221	ND		0.139	0.055
Aroclor-1232	ND		0.139	0.055
Aroclor-1242	ND		0.139	0.055
Aroclor-1248	ND		0.139	0.055
Aroclor-1254	ND		0.139	0.055
Aroclor-1260	ND		0.139	0.055
Aroclor-1262	ND		0.139	0.055
Aroclor-1268	ND		0.139	0.055
PCBs	ND		0.139	0.055

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-012
 Client ID: CC-43_(3.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2468.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.58g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 22.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.019
Aroclor-1221	ND		0.046	0.019
Aroclor-1232	ND		0.046	0.019
Aroclor-1242	ND		0.046	0.019
Aroclor-1248	0.094		0.046	0.019
Aroclor-1254	ND		0.046	0.019
Aroclor-1260	ND		0.046	0.019
Aroclor-1262	ND		0.046	0.019
Aroclor-1268	ND		0.046	0.019
PCBs	0.094		0.046	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-013
 Client ID: DD-41_(0-1)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2469.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.74g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 83.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.212	0.085
Aroclor-1221	ND		0.212	0.085
Aroclor-1232	ND		0.212	0.085
Aroclor-1242	ND		0.212	0.085
Aroclor-1248	12.6		0.212	0.085
Aroclor-1254	ND		0.212	0.085
Aroclor-1260	ND		0.212	0.085
Aroclor-1262	ND		0.212	0.085
Aroclor-1268	ND		0.212	0.085
PCBs	12.6		0.212	0.085

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-014
 Client ID: DD-41_(1.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/16/2012
 Data file: Y2509.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.75g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 100
 % Moisture: 83.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		21.0	8.38
Aroclor-1221	ND		21.0	8.38
Aroclor-1232	ND		21.0	8.38
Aroclor-1242	ND		21.0	8.38
Aroclor-1248	497		21.0	8.38
Aroclor-1254	ND		21.0	8.38
Aroclor-1260	ND		21.0	8.38
Aroclor-1262	ND		21.0	8.38
Aroclor-1268	ND		21.0	8.38
PCBs	497		21.0	8.38

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-015
Client ID: DD-41_(2.0
Date Received: 10/02/2012
Date Extracted: 10/11/2012
Date Analyzed: 10/15/2012
Data file: Y2471.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.44g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 87.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.283	0.113
Aroclor-1221	ND		0.283	0.113
Aroclor-1232	ND		0.283	0.113
Aroclor-1242	ND		0.283	0.113
Aroclor-1248	30.7		0.283	0.113
Aroclor-1254	ND		0.283	0.113
Aroclor-1260	ND		0.283	0.113
Aroclor-1262	ND		0.283	0.113
Aroclor-1268	ND		0.283	0.113
PCBs	30.7		0.283	0.113

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-016
 Client ID: DD-41_(3.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2472.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.22g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 24.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.051	0.020
Aroclor-1221	ND		0.051	0.020
Aroclor-1232	ND		0.051	0.020
Aroclor-1242	ND		0.051	0.020
Aroclor-1248	ND		0.051	0.020
Aroclor-1254	ND		0.051	0.020
Aroclor-1260	ND		0.051	0.020
Aroclor-1262	ND		0.051	0.020
Aroclor-1268	ND		0.051	0.020
PCBs	ND		0.051	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-017
 Client ID: DD-40_(0-1)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/16/2012
 Data file: Y2510.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.78g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 86.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.264	0.106
Aroclor-1221	ND		0.264	0.106
Aroclor-1232	ND		0.264	0.106
Aroclor-1242	ND		0.264	0.106
Aroclor-1248	19.4		0.264	0.106
Aroclor-1254	ND		0.264	0.106
Aroclor-1260	ND		0.264	0.106
Aroclor-1262	ND		0.264	0.106
Aroclor-1268	ND		0.264	0.106
PCBs	19.4		0.264	0.106

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-018
Client ID: DD-40_(1.0
Date Received: 10/02/2012
Date Extracted: 10/11/2012
Date Analyzed: 10/16/2012
Data file: Y2511.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.69g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 58.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.837	0.335
Aroclor-1221	ND		0.837	0.335
Aroclor-1232	ND		0.837	0.335
Aroclor-1242	ND		0.837	0.335
Aroclor-1248	137		0.837	0.335
Aroclor-1254	ND		0.837	0.335
Aroclor-1260	ND		0.837	0.335
Aroclor-1262	ND		0.837	0.335
Aroclor-1268	ND		0.837	0.335
PCBs	137		0.837	0.335

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-019
 Client ID: DD-40_(2.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2475.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.85g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 87.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.269	0.108
Aroclor-1221	ND		0.269	0.108
Aroclor-1232	ND		0.269	0.108
Aroclor-1242	ND		0.269	0.108
Aroclor-1248	2.33		0.269	0.108
Aroclor-1254	ND		0.269	0.108
Aroclor-1260	ND		0.269	0.108
Aroclor-1262	ND		0.269	0.108
Aroclor-1268	ND		0.269	0.108
PCBs	2.33		0.269	0.108

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-020
 Client ID: DD-40_(3.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2476.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.00g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 25.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.054	0.022
Aroclor-1221	ND		0.054	0.022
Aroclor-1232	ND		0.054	0.022
Aroclor-1242	ND		0.054	0.022
Aroclor-1248	ND		0.054	0.022
Aroclor-1254	ND		0.054	0.022
Aroclor-1260	ND		0.054	0.022
Aroclor-1262	ND		0.054	0.022
Aroclor-1268	ND		0.054	0.022
PCBs	ND		0.054	0.022

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-021
Client ID: DD-42_ (0-1
Date Received: 10/02/2012
Date Extracted: 10/11/2012
Date Analyzed: 10/15/2012
Data file: R4366.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.32g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 78.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.174	0.070
Aroclor-1221	ND		0.174	0.070
Aroclor-1232	ND		0.174	0.070
Aroclor-1242	ND		0.174	0.070
Aroclor-1248	10.2		0.174	0.070
Aroclor-1254	ND		0.174	0.070
Aroclor-1260	2.34		0.174	0.070
Aroclor-1262	ND		0.174	0.070
Aroclor-1268	ND		0.174	0.070
PCBs	12.5		0.174	0.070

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-022
Client ID: DD-42_(1.0
Date Received: 10/02/2012
Date Extracted: 10/11/2012
Date Analyzed: 10/12/2012
Data file: R4344.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 88.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		3.12	1.25
Aroclor-1221	ND		3.12	1.25
Aroclor-1232	ND		3.12	1.25
Aroclor-1242	ND		3.12	1.25
Aroclor-1248	100		3.12	1.25
Aroclor-1254	ND		3.12	1.25
Aroclor-1260	ND		3.12	1.25
Aroclor-1262	ND		3.12	1.25
Aroclor-1268	ND		3.12	1.25
PCBs	100		3.12	1.25

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-023
 Client ID: DD-42_(2.0)
 Date Received: 10/02/2012
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: R4367.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.44g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: 88.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.309	0.124
Aroclor-1221	ND		0.309	0.124
Aroclor-1232	ND		0.309	0.124
Aroclor-1242	ND		0.309	0.124
Aroclor-1248	1.36		0.309	0.124
Aroclor-1254	ND		0.309	0.124
Aroclor-1260	ND		0.309	0.124
Aroclor-1262	ND		0.309	0.124
Aroclor-1268	ND		0.309	0.124
PCBs	1.36		0.309	0.124

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-024
Client ID: DD-42_ (3.0
Date Received: 10/02/2012
Date Extracted: 10/11/2012
Date Analyzed: 10/12/2012
Data file: R4346.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.14g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 09988-025
 Client ID: FB-44
 Date Received: 10/02/2012
 Date Extracted: 10/04/2012
 Date Analyzed: 10/05/2012
 Data file: R4209.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 1000ml
 Matrix-Units: Aqueous-mg/L (ppm)
 Dilution Factor: 1
 % Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 09/25/2012

Client ID	Lab	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
	Sample ID		% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA120920-06	AQUEOUS	153		65		154		90	
MW-20	09292-001	AQUEOUS	102		74		109		89	
MW-20D	09292-002	AQUEOUS	117		59		120		76	
MW-21	09292-003	AQUEOUS	132		73		124		86	
MW-21D	09292-004	AQUEOUS	132		68		137		85	
MW-22	09292-005	AQUEOUS	128		70		126		75	
MW-22D	09292-006	AQUEOUS	134		76		131		82	
MW-23	09292-007	AQUEOUS	112		70		128		80	
MW-23D	09292-008	AQUEOUS	82		71		101		76	
FB	09292-009	AQUEOUS	153		68		145		72	
FB-42	09301-049	AQUEOUS	149		69		152		80	
PCB	09292-001MS	AQUEOUS	121		62		122		71	
PCB	09292-001MSD	AQUEOUS	111		63		114		77	
PCB	LCSA120920-06	AQUEOUS	135		60		128		80	

Surrogate QC Limits	<u>Soil</u>	<u>Aqueous</u>
TCMX = Tetrachloro-m-xylene	21-163	11-163
DCB = Decachlorobiphenyl	30-172	13-170

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/05/2012

Client ID	Lab	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
	Sample ID		% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA121004-07	AQUEOUS	85		90		83		90	
FB092711	09868-007	AQUEOUS	90		90		89		98	
MW-1-AQ	09837-003	AQUEOUS	31		53		32		52	
MW-2	09837-002	AQUEOUS	38		62		49		70	
FB-44	09988-025	AQUEOUS	79		74		82		80	
FB-45	10047-017	AQUEOUS	90		81		91		88	
PCB	LCSA121004-07	AQUEOUS	114		104		115		108	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

21-163

30-172

Aqueous

11-163

13-170

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/12/2012

Client ID	Lab	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
	Sample ID		% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS121011-05	SOIL	115		111		109		95	
DRUM002_PE	10273-001	SOIL	102		102		106		89	
DRUM002-CO	10273-002	SLUDGE	104		96		102		86	
DD-42_(1.0	09988-022	SOIL	149		114		144		109	
DD-42_(3.0	09988-024	SOIL	114		110		112		98	
T-1/1.0-1.	10076-001	SOIL	99		77		102		78	
T-2/1.5-2.	10076-002	SOIL	103		77		106		86	
T-3/1.5-2.	10076-003	SOIL	102		78		106		86	
T-4/3.0-3.	10076-004	SOIL	101		87		105		95	
T-5/3.0-3.	10076-005	SOIL	102		87		105		91	
T-6/3.0-3.	10076-006	SOIL	103		89		105		91	
T-7/3.0-3.	10076-007	SOIL	108		95		106		99	
T-8/3.0-3.	10076-008	SOIL	106		109		107		99	
T-9/3.5-4.	10076-009	SOIL	107		110		105		89	
T-10/3.5-4	10076-010	SOIL	109		100		107		92	
T-12/3.5-4	10076-011	SOIL	107		107		106		98	
T-13/2.5-3	10076-012	SOIL	107		107		105		94	
WC-5_(COMP	10085-005	SOIL	83		83		92		74	
T-12-W5	10117-005	SOLID	85		71		98		72	
PCB	10076-006MS	SOIL	96		76		101		75	
PCB	10076-006MSD	SOIL	97		79		102		83	
PCB	LCSS121011-05	SOIL	100		91		105		91	
DD-42_(0-1	09988-021	SOIL	111		78		122		82	
DD-42_(2.0	09988-023	SOIL	112		88		125		92	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

21-163

30-172

Aqueous

11-163

13-170

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/15/2012

Client ID	Lab Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS121011-03	SOIL	120		103		112		105	
BB-44_(0-1	09988-001	SOIL	126		114		124		125	
BB-44_(1.0	09988-002	SOIL	114		120		122		130	
BB-44_(2.0	09988-003	SOIL	125		108		128		140	
BB-44_(3.0	09988-004	SOIL	116		97		112		114	
BB-43_(3.0	09988-008	SOIL	79		77		106		103	
CC-43_(0-1	09988-009	SOIL	113		89		118		118	
CC-43_(2.0	09988-011	SOIL	122		98		133		134	
CC-43_(3.0	09988-012	SOIL	110		83		112		104	
DD-41_(0-1	09988-013	SOIL	121		94		125		120	
DD-41_(2.0	09988-015	SOIL	97		89		125		132	
DD-41_(3.0	09988-016	SOIL	106		75		110		103	
DD-40_(2.0	09988-019	SOIL	96		89		123		121	
DD-40_(3.0	09988-020	SOIL	109		81		113		102	
PCB	09988-020MS	SOIL	115		93		116		124	
PCB	09988-020MSD	SOIL	108		95		109		106	
PCB	LCSS121011-03	SOIL	108		90		108		104	
BB-43_(0-1	09988-005	SOIL	0	D	0	D	0	D	0	D
BB-43_(1.0	09988-006	SOIL	0	D	0	D	0	D	0	D
BB-43_(2.0	09988-007	SOIL	88		100		109		113	
CC-43_(1.0	09988-010	SOIL	109		103		122		123	
DD-41_(1.0	09988-014	SOIL	0	D	0	D	0	D	0	D
DD-40_(0-1	09988-017	SOIL	93		104		108		114	
DD-40_(1.0	09988-018	SOIL	68		52		77		152	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

<u>Soil</u>	<u>Aqueous</u>
21-163	11-163
30-172	13-170

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

AQUEOUS PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSA121004-07

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	696.0	139	40 - 140
Aroclor-1260	500.0	0.0	644.1	129	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID:

LCSS121011-05

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	648.6	130	40 - 140
Aroclor-1260	500.0	0.0	640.4	128	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB BLANK SPIKE RECOVERY

Matrix spike Lab sample ID: LCSS121011-03

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	634.5	127	40 - 140
Aroclor-1260	500.0	0.0	668.1	134	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

AQUEOUS PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 09292-001

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	656.9	131	40 - 140
Aroclor-1260	500.0	0.0	468.4	94	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD		QC LIMITS	
			#	% REC	RPD #	REC.
Aroclor-1016	0.0	693.2	139	6	50	40 - 140
Aroclor-1260	0.0	400.4	80	16	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 10076-006

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	626.7	125	40 - 140
Aroclor-1260	500.0	0.0	525.8	105	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD		QC LIMITS	
			#	% REC	RPD #	REC.
Aroclor-1016	0.0	647.1	129	3	50	40 - 140
Aroclor-1260	0.0	554.5	111	6	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 09988-020

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	576.0	115	40 - 140
Aroclor-1260	500.0	0.0	566.1	113	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD		QC LIMITS	
			#	% REC	RPD	REC.
Aroclor-1016	0.0	614.0	123	7	50	40 - 140
Aroclor-1260	0.0	695.7	139	21	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

PCB METHOD BLANK SUMMARY

Lab File ID: R3999.D

Instrument ID: GC-R

Date Extracted: 09/20/2012

Matrix: AQUEOUS

Date Analyzed: 09/25/2012

Time Analyzed: 17:41

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

<u>Client ID</u>	<u>Lab Sample ID</u>	<u>Date Analyzed</u>	<u>Time Analyzed</u>
MW-20	09292-001	09/25/2012	17:58
MW-20D	09292-002	09/25/2012	18:16
MW-21	09292-003	09/25/2012	18:33
MW-21D	09292-004	09/25/2012	18:51
MW-22	09292-005	09/25/2012	19:08
MW-22D	09292-006	09/25/2012	19:25
MW-23	09292-007	09/25/2012	19:43
MW-23D	09292-008	09/25/2012	20:00
FB	09292-009	09/25/2012	20:18
FB-42	09301-049	09/25/2012	20:35
PCB	09292-001MS	09/25/2012	20:52
PCB	09292-001MSD	09/25/2012	21:10
PCB	LCSA120920-06	09/25/2012	21:27

PCB METHOD BLANK SUMMARY

Lab File ID: R4205.D Instrument ID: GC-R
Date Extracted: 10/04/2012 Matrix: AQUEOUS
Date Analyzed: 10/05/2012 Time Analyzed: 16:30

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB092711	09868-007	10/05/2012	16:48
MW-1-AQ	09837-003	10/05/2012	17:05
MW-2	09837-002	10/05/2012	17:23
FB-44	09988-025	10/05/2012	17:40
FB-45	10047-017	10/05/2012	17:57
PCB	LCSA121004-07	10/05/2012	18:15

PCB METHOD BLANK SUMMARY

Lab File ID: R4340.D Instrument ID: GC-R

Date Extracted: 10/11/2012 Matrix: SOIL

Date Analyzed: 10/12/2012 Time Analyzed: 19:53

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
DRUM002_PE	10273-001	10/12/2012	20:11
DRUM002-CO	10273-002	10/12/2012	20:28
DD-42_(1.0	09988-022	10/12/2012	21:03
DD-42_(3.0	09988-024	10/12/2012	21:38
T-1/1.0-1.	10076-001	10/12/2012	21:56
T-2/1.5-2.	10076-002	10/12/2012	22:13
T-3/1.5-2.	10076-003	10/12/2012	22:30
T-4/3.0-3.	10076-004	10/12/2012	22:48
T-5/3.0-3.	10076-005	10/12/2012	23:05
T-6/3.0-3.	10076-006	10/12/2012	23:23
T-7/3.0-3.	10076-007	10/12/2012	23:40
T-8/3.0-3.	10076-008	10/12/2012	23:57
T-9/3.5-4.	10076-009	10/13/2012	00:15
T-10/3.5-4	10076-010	10/13/2012	00:32
T-12/3.5-4	10076-011	10/13/2012	00:50
T-13/2.5-3	10076-012	10/13/2012	01:07
WC-5_(COMP	10085-005	10/13/2012	01:24
T-12-W5	10117-005	10/13/2012	01:42
PCB	10076-006MS	10/13/2012	01:59
PCB	10076-006MSD	10/13/2012	02:16
PCB	LCSS121011-05	10/13/2012	02:34
DD-42_(0-1	09988-021	10/15/2012	09:57
DD-42_(2.0	09988-023	10/15/2012	10:15

PCB METHOD BLANK SUMMARY

Lab File ID: Y2456.D Instrument ID: GC-Y
Date Extracted: 10/11/2012 Matrix: SOIL
Date Analyzed: 10/15/2012 Time Analyzed: 17:47

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
BB-44_(0-1	09988-001	10/15/2012	18:05
BB-44_(1.0	09988-002	10/15/2012	18:22
BB-44_(2.0	09988-003	10/15/2012	18:39
BB-44_(3.0	09988-004	10/15/2012	18:56
BB-43_(3.0	09988-008	10/15/2012	20:05
CC-43_(0-1	09988-009	10/15/2012	20:22
CC-43_(2.0	09988-011	10/15/2012	20:56
CC-43_(3.0	09988-012	10/15/2012	21:14
DD-41_(0-1	09988-013	10/15/2012	21:31
DD-41_(2.0	09988-015	10/15/2012	22:05
DD-41_(3.0	09988-016	10/15/2012	22:22
DD-40_(2.0	09988-019	10/15/2012	23:14
DD-40_(3.0	09988-020	10/15/2012	23:31
PCB	09988-020MS	10/15/2012	23:48
PCB	09988-020MSD	10/16/2012	00:06
PCB	LCSS121011-03	10/16/2012	00:23
BB-43_(0-1	09988-005	10/16/2012	10:00
BB-43_(1.0	09988-006	10/16/2012	10:17
BB-43_(2.0	09988-007	10/16/2012	10:34
CC-43_(1.0	09988-010	10/16/2012	10:51
DD-41_(1.0	09988-014	10/16/2012	11:08
DD-40_(0-1	09988-017	10/16/2012	11:25
DD-40_(1.0	09988-018	10/16/2012	11:43

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2012

Instrument ID: GC-R

GC Column (Ist): DB-5

Data File: R3532.D R3531.D R3530.D R3529.D R3528.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.98	3.98	3.98	3.97	3.97	3.98	3.91	4.05
Aroclor-1016 {2}	4.87	4.87	4.87	4.87	4.87	4.87	4.80	4.94
Aroclor-1016 {3}	5.46	5.46	5.46	5.46	5.45	5.46	5.39	5.53
Aroclor-1016 {4}	5.99	5.99	5.99	5.99	5.99	5.99	5.92	6.06
Aroclor-1016 {5}	6.40	6.40	6.40	6.40	6.40	6.40	6.33	6.47
Aroclor-1221			2.75				2.68	2.82
Aroclor-1221 {2}			3.76				3.69	3.83
Aroclor-1221 {3}			3.90				3.83	3.97
Aroclor-1221 {4}			3.98				3.91	4.05
Aroclor-1221 {5}			4.62				4.55	4.69
Aroclor-1232			3.98				3.91	4.05
Aroclor-1232 {2}			4.87				4.80	4.94
Aroclor-1232 {3}			5.58				5.51	5.65
Aroclor-1232 {4}			6.20				6.13	6.27
Aroclor-1232 {5}			6.40				6.33	6.47
Aroclor-1242			4.87				4.80	4.94
Aroclor-1242 {2}			5.86				5.79	5.93
Aroclor-1242 {3}			6.20				6.13	6.27
Aroclor-1242 {4}			6.92				6.85	6.99
Aroclor-1242 {5}			7.20				7.13	7.27
Aroclor-1248			5.30				5.22	5.38
Aroclor-1248 {2}			5.86				5.78	5.94
Aroclor-1248 {3}			6.20				6.12	6.28
Aroclor-1248 {4}			6.92				6.84	7.00
Aroclor-1248 {5}			7.20				7.12	7.28
Aroclor-1254			7.32				7.24	7.40
Aroclor-1254 {2}			7.77				7.69	7.85
Aroclor-1254 {3}			7.94				7.85	8.03
Aroclor-1254 {4}			8.40				8.31	8.49
Aroclor-1254 {5}			9.25				9.16	9.34
Aroclor-1260	9.25	9.25	9.25	9.25	9.25	9.25	8.35	10.15
Aroclor-1260 {2}	9.94	9.94	9.94	9.94	9.94	9.94	9.04	10.84
Aroclor-1260 {3}	10.42	10.42	10.42	10.42	10.42	10.42	9.52	11.32
Aroclor-1260 {4}	10.91	10.91	10.91	10.91	10.91	10.91	10.01	11.81
Aroclor-1260 {5}	11.98	11.99	11.98	11.98	11.98	11.98	11.08	12.88

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R3532.D R3531.D R3530.D R3529.D R3528.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	3169538	3083875	3134822	3042396	2353283	2956783	11.53
Aroclor-1016 {2}	2565919	3798384	3494857	3508527	2536989	3180935	18.47
Aroclor-1016 {3}	5508191	5457746	5524489	5202280	3493148	5037171	17.33
Aroclor-1016 {4}	2618949	2463106	2519686	2392167	1662486	2331279	16.43
Aroclor-1016 {5}	4394403	4213688	4419956	4128326	2937824	4018839	15.34
Aroclor-1221			1232163				
Aroclor-1221 {2}			1908472				
Aroclor-1221 {3}			1354132				
Aroclor-1221 {4}			4702923				
Aroclor-1221 {5}			952986				
Aroclor-1232			3932178				
Aroclor-1232 {2}			1748747				
Aroclor-1232 {3}			2155905				
Aroclor-1232 {4}			1626277				
Aroclor-1232 {5}			2865168				
Aroclor-1242			2868722				
Aroclor-1242 {2}			2286283				
Aroclor-1242 {3}			2486701				
Aroclor-1242 {4}			4890095				
Aroclor-1242 {5}			4496999				
Aroclor-1248			7641038				
Aroclor-1248 {2}			4184774				
Aroclor-1248 {3}			4219724				
Aroclor-1248 {4}			8629691				
Aroclor-1248 {5}			7035566				
Aroclor-1254			9588556				
Aroclor-1254 {2}			6076633				
Aroclor-1254 {3}			11103311				
Aroclor-1254 {4}			12668349				
Aroclor-1254 {5}			11126269				
Aroclor-1260	12051366	11275672	13894083	13139743	8799413	11832055	16.65
Aroclor-1260 {2}	7701182	6251654	6993368	6785500	4857488	6517838	16.32
Aroclor-1260 {3}	17863196	19145627	21853201	20953624	15213758	19005881	13.82
Aroclor-1260 {4}	10892769	8765561	10292180	9586901	6990567	9305595	16.32
Aroclor-1260 {5}	4532582	4233974	4840759	5934253	3926044	4693522	16.46
Average %RSD							15.87

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2012

Instrument ID: GC-R
 GC Column (2nd): RTX-CLP2

Data File: R3532.C R3531.C R3530.C R3529.C R3528.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	4.29	4.29	4.29	4.29	4.29	4.29	4.22	4.36
Aroclor-1016 {2}	4.91	4.91	4.91	4.91	4.91	4.91	4.84	4.98
Aroclor-1016 {3}	5.68	5.68	5.68	5.68	5.68	5.68	5.61	5.75
Aroclor-1016 {4}	5.90	5.90	5.90	5.90	5.90	5.90	5.83	5.97
Aroclor-1016 {5}	6.08	6.08	6.08	6.08	6.08	6.08	6.01	6.15
Aroclor-1221			2.91				2.84	2.98
Aroclor-1221 {2}			3.97				3.90	4.04
Aroclor-1221 {3}			4.21				4.14	4.28
Aroclor-1221 {4}			4.31				4.24	4.38
Aroclor-1221 {5}			5.70				5.63	5.77
Aroclor-1232			4.29				4.22	4.36
Aroclor-1232 {2}			5.31				5.24	5.38
Aroclor-1232 {3}			5.90				5.83	5.97
Aroclor-1232 {4}			6.08				6.01	6.15
Aroclor-1232 {5}			6.69				6.62	6.76
Aroclor-1242			5.31				5.24	5.38
Aroclor-1242 {2}			6.08				6.01	6.15
Aroclor-1242 {3}			6.69				6.62	6.76
Aroclor-1242 {4}			6.84				6.77	6.91
Aroclor-1242 {5}			7.40				7.33	7.47
Aroclor-1248			5.68				5.60	5.76
Aroclor-1248 {2}			6.28				6.20	6.36
Aroclor-1248 {3}			6.68				6.60	6.76
Aroclor-1248 {4}			6.84				6.76	6.92
Aroclor-1248 {5}			7.20				7.12	7.28
Aroclor-1254			7.70				7.62	7.78
Aroclor-1254 {2}			8.29				8.21	8.37
Aroclor-1254 {3}			8.74				8.65	8.83
Aroclor-1254 {4}			8.92				8.83	9.01
Aroclor-1254 {5}			9.74				9.65	9.83
Aroclor-1260	8.73	8.73	8.73	8.73	8.73	8.73	7.83	9.63
Aroclor-1260 {2}	9.14	9.14	9.14	9.14	9.14	9.14	8.24	10.04
Aroclor-1260 {3}	10.35	10.34	10.35	10.35	10.34	10.35	9.45	11.25
Aroclor-1260 {4}	10.85	10.85	10.85	10.86	10.85	10.85	9.95	11.75
Aroclor-1260 {5}	11.45	11.45	11.45	11.45	11.45	11.45	10.55	12.35

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2012

Instrument ID: GC-R
 GC Column (2nd): RTX-CLP2

Data File: R3532.C R3531.C R3530.C R3529.C R3528.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	3070026	2866185	2753833	2688240	2204454	2716548	11.81
Aroclor-1016 {2}	6129633	5424300	5240792	5105878	4196458	5219412	13.31
Aroclor-1016 {3}	12514026	12895205	11415390	11372077	9449342	11529208	11.64
Aroclor-1016 {4}	4788775	5301096	4720839	4648775	3826881	4657273	11.39
Aroclor-1016 {5}	4428978	4278236	3756547	3679022	3031178	3834792	14.44
Aroclor-1221			1210935				
Aroclor-1221 {2}			1621121				
Aroclor-1221 {3}			1105604				
Aroclor-1221 {4}			3810283				
Aroclor-1221 {5}			1212612				
Aroclor-1232			3148750				
Aroclor-1232 {2}			1185209				
Aroclor-1232 {3}			2398666				
Aroclor-1232 {4}			1919062				
Aroclor-1232 {5}			2741161				
Aroclor-1242			1901918				
Aroclor-1242 {2}			3147585				
Aroclor-1242 {3}			4290597				
Aroclor-1242 {4}			3497153				
Aroclor-1242 {5}			3216011				
Aroclor-1248			6010026				
Aroclor-1248 {2}			8424643				
Aroclor-1248 {3}			6415583				
Aroclor-1248 {4}			5399279				
Aroclor-1248 {5}			3107389				
Aroclor-1254			5622779				
Aroclor-1254 {2}			6064743				
Aroclor-1254 {3}			3827488				
Aroclor-1254 {4}			5776327				
Aroclor-1254 {5}			7740745				
Aroclor-1260	6041158	5826997	5323711	4958305	4048576	5239749	15.06
Aroclor-1260 {2}	6585520	6706582	5959749	5549221	4654287	5891072	14.20
Aroclor-1260 {3}	4772390	4497162	4276582	4355255	3181870	4216652	14.43
Aroclor-1260 {4}	10226935	9075451	8952645	9505120	6549756	8861982	15.63
Aroclor-1260 {5}	6097930	6427592	6455914	5763986	4783136	5905712	11.65
Average %RSD							13.36

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.98	3.99	3.98	3.98	3.98	3.98	3.91	4.05
Aroclor-1016 {2}	4.84	4.88	4.88	4.88	4.88	4.87	4.80	4.94
Aroclor-1016 {3}	5.46	5.47	5.46	5.46	5.46	5.46	5.39	5.53
Aroclor-1016 {4}	5.99	6.00	5.99	5.99	5.99	5.99	5.92	6.06
Aroclor-1016 {5}	6.40	6.41	6.40	6.40	6.40	6.40	6.33	6.47
Aroclor-1221			2.77				2.70	2.84
Aroclor-1221 {2}			3.77				3.70	3.84
Aroclor-1221 {3}			3.90				3.83	3.97
Aroclor-1221 {4}			3.99				3.92	4.06
Aroclor-1221 {5}			4.63				4.56	4.70
Aroclor-1232			3.98				3.91	4.05
Aroclor-1232 {2}			4.88				4.81	4.95
Aroclor-1232 {3}			5.58				5.51	5.65
Aroclor-1232 {4}			6.20				6.13	6.27
Aroclor-1232 {5}			6.40				6.33	6.47
Aroclor-1242			4.88				4.81	4.95
Aroclor-1242 {2}			5.86				5.79	5.93
Aroclor-1242 {3}			6.20				6.13	6.27
Aroclor-1242 {4}			6.92				6.85	6.99
Aroclor-1242 {5}			7.21				7.14	7.28
Aroclor-1248			5.30				5.22	5.38
Aroclor-1248 {2}			5.86				5.78	5.94
Aroclor-1248 {3}			6.20				6.12	6.28
Aroclor-1248 {4}			6.93				6.85	7.01
Aroclor-1248 {5}			7.21				7.13	7.29
Aroclor-1254			7.33				7.25	7.41
Aroclor-1254 {2}			7.78				7.70	7.86
Aroclor-1254 {3}			7.95				7.86	8.04
Aroclor-1254 {4}			8.40				8.31	8.49
Aroclor-1254 {5}			9.26				9.17	9.35
Aroclor-1260	9.26	9.26	9.26	9.25	9.26	9.26	8.36	10.16
Aroclor-1260 {2}	9.94	9.95	9.94	9.94	9.94	9.94	9.04	10.84
Aroclor-1260 {3}	10.42	10.43	10.42	10.42	10.42	10.42	9.52	11.32
Aroclor-1260 {4}	10.92	10.92	10.92	10.92	10.92	10.92	10.02	11.82
Aroclor-1260 {5}	11.97	11.99	11.99	11.99	11.99	11.98	11.08	12.88

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	3511652	2816199	3467138	3317027	3099693	3242342	8.87
Aroclor-1016 {2}	4188236	3253991	4718865	4551856	4200745	4182738	13.56
Aroclor-1016 {3}	6055619	4295515	6229272	5975596	5562124	5623625	13.90
Aroclor-1016 {4}	2785133	1991453	2882208	2787547	2660777	2621424	13.76
Aroclor-1016 {5}	4915019	3355545	5007014	4861594	4618781	4551591	15.02
Aroclor-1221			1257546				
Aroclor-1221 {2}			1893487				
Aroclor-1221 {3}			1309294				
Aroclor-1221 {4}			4676883				
Aroclor-1221 {5}			1002527				
Aroclor-1232			3240639				
Aroclor-1232 {2}			1842958				
Aroclor-1232 {3}			1718532				
Aroclor-1232 {4}			1775155				
Aroclor-1232 {5}			2335323				
Aroclor-1242			3625567				
Aroclor-1242 {2}			2229770				
Aroclor-1242 {3}			3195758				
Aroclor-1242 {4}			4993590				
Aroclor-1242 {5}			4382398				
Aroclor-1248			7725170				
Aroclor-1248 {2}			4221262				
Aroclor-1248 {3}			5543238				
Aroclor-1248 {4}			9059725				
Aroclor-1248 {5}			7047603				
Aroclor-1254			9927381				
Aroclor-1254 {2}			6402045				
Aroclor-1254 {3}			11830910				
Aroclor-1254 {4}			13745369				
Aroclor-1254 {5}			12105674				
Aroclor-1260	14233122	11021092	15871385	15489084	14388910	14200719	13.45
Aroclor-1260 {2}	6114874	5165039	7187490	7094178	6735037	6459324	12.96
Aroclor-1260 {3}	18675711	14343619	22383335	22061075	21339183	19760584	17.01
Aroclor-1260 {4}	9961583	6815883	9883281	9419191	9071522	9030292	14.28
Aroclor-1260 {5}	4000512	3129452	4122738	4269482	4017395	3907916	11.47
Average %RSD							13.43

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	RT OF STANDARDS					MEAN RT	RT WI NDO	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.28	3.28	3.27	3.28	3.28	3.28	3.21	3.35
Aroclor-1016 {2}	4.11	4.11	4.10	4.11	4.11	4.11	4.04	4.18
Aroclor-1016 {3}	4.66	4.66	4.65	4.66	4.66	4.66	4.59	4.73
Aroclor-1016 {4}	5.16	5.17	5.16	5.16	5.16	5.16	5.09	5.23
Aroclor-1016 {5}	5.56	5.56	5.55	5.56	5.56	5.56	5.49	5.63
Aroclor-1221			2.18				2.11	2.25
Aroclor-1221 {2}			3.07				3.00	3.14
Aroclor-1221 {3}			3.20				3.13	3.27
Aroclor-1221 {4}			3.28				3.21	3.35
Aroclor-1221 {5}			3.87				3.80	3.94
Aroclor-1232			3.28				3.21	3.35
Aroclor-1232 {2}			4.11				4.04	4.18
Aroclor-1232 {3}			4.77				4.70	4.84
Aroclor-1232 {4}			5.37				5.30	5.44
Aroclor-1232 {5}			5.56				5.49	5.63
Aroclor-1242			4.11				4.04	4.18
Aroclor-1242 {2}			5.05				4.98	5.12
Aroclor-1242 {3}			5.37				5.30	5.44
Aroclor-1242 {4}			6.06				5.99	6.13
Aroclor-1242 {5}			6.34				6.27	6.41
Aroclor-1248			4.51				4.43	4.59
Aroclor-1248 {2}			5.05				4.97	5.13
Aroclor-1248 {3}			5.37				5.29	5.45
Aroclor-1248 {4}			6.06				5.98	6.14
Aroclor-1248 {5}			6.34				6.26	6.42
Aroclor-1254			6.45				6.37	6.53
Aroclor-1254 {2}			6.89				6.81	6.97
Aroclor-1254 {3}			7.05				6.96	7.14
Aroclor-1254 {4}			7.50				7.41	7.59
Aroclor-1254 {5}			8.34				8.25	8.43
Aroclor-1260	8.33	8.33	8.33	8.33	8.33	8.33	7.43	9.23
Aroclor-1260 {2}	9.06	9.00	9.00	9.00	9.00	9.01	8.11	9.91
Aroclor-1260 {3}	9.48	9.48	9.48	9.48	9.48	9.48	8.58	10.38
Aroclor-1260 {4}	9.96	9.96	9.96	9.96	9.96	9.96	9.06	10.86
Aroclor-1260 {5}	11.02	11.02	11.02	11.02	11.02	11.02	10.12	11.92

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	1779381	1807127	1752108	1741470	1660770	1748171	3.15
Aroclor-1016 {2}	2574827	2260932	2278275	2344672	2289314	2349604	5.52
Aroclor-1016 {3}	3533740	3287454	3077138	3146427	3073575	3223667	6.01
Aroclor-1016 {4}	1732880	1694284	1613057	1535403	1443259	1603777	7.34
Aroclor-1016 {5}	2528573	2647173	2337248	2406226	2382273	2460298	5.13
Aroclor-1221			614158				
Aroclor-1221 {2}			1208996				
Aroclor-1221 {3}			648662				
Aroclor-1221 {4}			2516981				
Aroclor-1221 {5}			464483				
Aroclor-1232			1750895				
Aroclor-1232 {2}			941481				
Aroclor-1232 {3}			838423				
Aroclor-1232 {4}			835162				
Aroclor-1232 {5}			1167067				
Aroclor-1242			1903136				
Aroclor-1242 {2}			1112773				
Aroclor-1242 {3}			1592773				
Aroclor-1242 {4}			2720180				
Aroclor-1242 {5}			2317530				
Aroclor-1248			3951338				
Aroclor-1248 {2}			2154676				
Aroclor-1248 {3}			2899853				
Aroclor-1248 {4}			5160574				
Aroclor-1248 {5}			3456175				
Aroclor-1254			5168566				
Aroclor-1254 {2}			3262869				
Aroclor-1254 {3}			6437833				
Aroclor-1254 {4}			6443887				
Aroclor-1254 {5}			5774478				
Aroclor-1260	6327794	6243919	6135968	6163523	5699027	6114046	3.99
Aroclor-1260 {2}	2876290	2626739	2607516	2655567	2626505	2678523	4.18
Aroclor-1260 {3}	7388079	6928094	7012809	6539936	6568055	6887395	5.09
Aroclor-1260 {4}	3895682	3722656	3417689	3267016	3182453	3497099	8.67
Aroclor-1260 {5}	2144231	2070397	1701079	1867931	1397406	1836209	16.37
Average %RSD							6.54

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-Y
GC Column (2nd): RTX-CLP2

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	RT OF STANDARDS					MEAN RT	RT WI NDO W	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.77	3.77	3.78	3.77	3.77	3.77	3.70	3.84
Aroclor-1016 {2}	4.37	4.37	4.38	4.37	4.37	4.37	4.30	4.44
Aroclor-1016 {3}	5.12	5.12	5.13	5.12	5.12	5.12	5.05	5.19
Aroclor-1016 {4}	5.33	5.33	5.34	5.33	5.33	5.33	5.26	5.40
Aroclor-1016 {5}	5.50	5.50	5.51	5.50	5.50	5.51	5.44	5.58
Aroclor-1221			2.45				2.38	2.52
Aroclor-1221 {2}			3.45				3.38	3.52
Aroclor-1221 {3}			3.69				3.62	3.76
Aroclor-1221 {4}			3.78				3.71	3.85
Aroclor-1221 {5}			5.13				5.06	5.20
Aroclor-1232			3.77				3.70	3.84
Aroclor-1232 {2}			4.75				4.68	4.82
Aroclor-1232 {3}			5.33				5.26	5.40
Aroclor-1232 {4}			5.51				5.44	5.58
Aroclor-1232 {5}			6.10				6.03	6.17
Aroclor-1242			4.75				4.68	4.82
Aroclor-1242 {2}			5.50				5.43	5.57
Aroclor-1242 {3}			6.10				6.03	6.17
Aroclor-1242 {4}			6.26				6.19	6.33
Aroclor-1242 {5}			6.81				6.74	6.88
Aroclor-1248			5.12				5.04	5.20
Aroclor-1248 {2}			5.70				5.62	5.78
Aroclor-1248 {3}			6.10				6.02	6.18
Aroclor-1248 {4}			6.26				6.18	6.34
Aroclor-1248 {5}			6.61				6.53	6.69
Aroclor-1254			7.10				7.02	7.18
Aroclor-1254 {2}			7.68				7.60	7.76
Aroclor-1254 {3}			8.30				8.21	8.39
Aroclor-1254 {4}			8.53				8.44	8.62
Aroclor-1254 {5}			9.12				9.03	9.21
Aroclor-1260	7.87	7.86	7.87	7.86	7.86	7.87	6.97	8.77
Aroclor-1260 {2}	8.12	8.12	8.12	8.12	8.12	8.12	7.22	9.02
Aroclor-1260 {3}	9.71	9.71	9.71	9.70	9.71	9.71	8.81	10.61
Aroclor-1260 {4}	10.21	10.21	10.22	10.21	10.21	10.21	9.31	11.11
Aroclor-1260 {5}	10.81	10.80	10.81	10.80	10.80	10.80	9.90	11.70

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-Y
 GC Column (2nd): RTX-CLP2

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	474153	653334	555412	522410	467733	534609	14.12
Aroclor-1016 {2}	982768	1296921	1043676	993576	918138	1047016	14.01
Aroclor-1016 {3}	2145189	2773453	2315483	2264601	2116218	2322989	11.40
Aroclor-1016 {4}	913651	1225431	969931	952611	878971	988119	13.89
Aroclor-1016 {5}	723211	930535	759763	744168	691466	769829	12.13
Aroclor-1221			227033				
Aroclor-1221 {2}			339121				
Aroclor-1221 {3}			205128				
Aroclor-1221 {4}			785356				
Aroclor-1221 {5}			136345				
Aroclor-1232			566765				
Aroclor-1232 {2}			211836				
Aroclor-1232 {3}			452013				
Aroclor-1232 {4}			348567				
Aroclor-1232 {5}			469831				
Aroclor-1242			403560				
Aroclor-1242 {2}			670955				
Aroclor-1242 {3}			847710				
Aroclor-1242 {4}			700737				
Aroclor-1242 {5}			1361595				
Aroclor-1248			1289913				
Aroclor-1248 {2}			1915529				
Aroclor-1248 {3}			1357383				
Aroclor-1248 {4}			1240834				
Aroclor-1248 {5}			676503				
Aroclor-1254			1660390				
Aroclor-1254 {2}			1294646				
Aroclor-1254 {3}			1245337				
Aroclor-1254 {4}			760763				
Aroclor-1254 {5}			1781367				
Aroclor-1260	811161	973370	768876	757317	708746	803894	12.63
Aroclor-1260 {2}	1113404	1437351	1109646	1099335	1028214	1157590	13.84
Aroclor-1260 {3}	1128256	1114996	927318	911719	932327	1002923	10.84
Aroclor-1260 {4}	2097926	2263313	2000692	1960025	2246118	2113615	6.55
Aroclor-1260 {5}	1503134	1425807	1484200	1386148	1536407	1467139	4.13
Average %RSD							11.35

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R

GC Column (2nd): RTX-CLP2

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	4.29	4.30	4.29	4.29	4.29	4.29	4.22	4.36
Aroclor-1016 {2}	4.91	4.92	4.91	4.91	4.91	4.91	4.84	4.98
Aroclor-1016 {3}	5.68	5.69	5.68	5.68	5.68	5.68	5.61	5.75
Aroclor-1016 {4}	5.89	5.91	5.89	5.89	5.89	5.90	5.83	5.97
Aroclor-1016 {5}	6.08	6.09	6.07	6.07	6.07	6.08	6.01	6.15
Aroclor-1221			2.91				2.84	2.98
Aroclor-1221 {2}			3.96				3.89	4.03
Aroclor-1221 {3}			4.21				4.14	4.28
Aroclor-1221 {4}			4.30				4.23	4.37
Aroclor-1221 {5}			5.69				5.62	5.76
Aroclor-1232			4.29				4.22	4.36
Aroclor-1232 {2}			5.30				5.23	5.37
Aroclor-1232 {3}			5.90				5.83	5.97
Aroclor-1232 {4}			6.07				6.00	6.14
Aroclor-1232 {5}			6.68				6.61	6.75
Aroclor-1242			5.30				5.23	5.37
Aroclor-1242 {2}			6.07				6.00	6.14
Aroclor-1242 {3}			6.68				6.61	6.75
Aroclor-1242 {4}			6.84				6.77	6.91
Aroclor-1242 {5}			7.38				7.31	7.45
Aroclor-1248			5.68				5.60	5.76
Aroclor-1248 {2}			6.28				6.20	6.36
Aroclor-1248 {3}			6.68				6.60	6.76
Aroclor-1248 {4}			6.84				6.76	6.92
Aroclor-1248 {5}			7.19				7.11	7.27
Aroclor-1254			7.69				7.61	7.77
Aroclor-1254 {2}			8.29				8.21	8.37
Aroclor-1254 {3}			8.73				8.64	8.82
Aroclor-1254 {4}			8.91				8.82	9.00
Aroclor-1254 {5}			9.74				9.65	9.83
Aroclor-1260	8.73	8.74	8.73	8.73	8.73	8.73	7.83	9.63
Aroclor-1260 {2}	9.14	9.15	9.14	9.14	9.14	9.14	8.24	10.04
Aroclor-1260 {3}	10.34	10.35	10.34	10.34	10.34	10.34	9.44	11.24
Aroclor-1260 {4}	10.85	10.86	10.85	10.84	10.85	10.85	9.95	11.75
Aroclor-1260 {5}	11.45	11.46	11.44	11.44	11.44	11.45	10.55	12.35

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R
 GC Column (2nd): RTX-CLP2

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	3130558	2679139	3011975	2774350	2512524	2821709	8.86
Aroclor-1016 {2}	5796044	5225297	5748314	5335239	4842326	5389444	7.32
Aroclor-1016 {3}	12226143	11358837	12777155	12035270	11187275	11916936	5.46
Aroclor-1016 {4}	5061478	5719039	5548767	5117295	4674807	5224277	7.95
Aroclor-1016 {5}	5152686	5148770	4328416	4022161	3716230	4473652	14.64
Aroclor-1221			1307358				
Aroclor-1221 {2}			1761591				
Aroclor-1221 {3}			1212973				
Aroclor-1221 {4}			4126657				
Aroclor-1221 {5}			853562				
Aroclor-1232			2963857				
Aroclor-1232 {2}			1145681				
Aroclor-1232 {3}			2451228				
Aroclor-1232 {4}			1915006				
Aroclor-1232 {5}			2742806				
Aroclor-1242			2098851				
Aroclor-1242 {2}			3553903				
Aroclor-1242 {3}			4708079				
Aroclor-1242 {4}			3953510				
Aroclor-1242 {5}			7472256				
Aroclor-1248			6726171				
Aroclor-1248 {2}			9608012				
Aroclor-1248 {3}			7178237				
Aroclor-1248 {4}			6183837				
Aroclor-1248 {5}			3629057				
Aroclor-1254			9005872				
Aroclor-1254 {2}			7281883				
Aroclor-1254 {3}			4642513				
Aroclor-1254 {4}			6930365				
Aroclor-1254 {5}			9786450				
Aroclor-1260	7743082	6239003	6832797	6337301	5843691	6599175	11.06
Aroclor-1260 {2}	7503867	7020840	7921266	7377084	6814102	7327432	5.88
Aroclor-1260 {3}	5971058	5703678	5982914	5624209	5233499	5703072	5.38
Aroclor-1260 {4}	12246873	10857970	12788461	12195487	11518107	11921380	6.26
Aroclor-1260 {5}	8492005	7889151	9031351	8620466	8096124	8425819	5.33
Average %RSD							7.81

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R3532.D R3531.D R3530.D R3529.D R3528.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.55				8.65	8.65
Aroclor-1262 {2}			10.42				9.52	9.52
Aroclor-1262 {3}			11.06				10.16	10.16
Aroclor-1262 {4}			11.15				10.15	10.15
Aroclor-1262 {5}			11.98				10.98	10.98
Aroclor-1268			11.06				10.06	10.06
Aroclor-1268 {2}			11.15				10.05	10.05
Aroclor-1268 {3}			11.63				10.53	10.53
Aroclor-1268 {4}			11.76				10.66	10.66
Aroclor-1268 {5}			12.60				11.50	11.50

GC Column (2nd): DB-1701P

Data File: R3532.C R3531.C R3530.C R3529.C R3528.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			10.34				9.44	9.44
Aroclor-1262 {2}			10.85				9.95	9.95
Aroclor-1262 {3}			11.36				10.46	10.46
Aroclor-1262 {4}			11.45				10.45	10.45
Aroclor-1262 {5}			12.06				11.06	11.06
Aroclor-1268			11.36				10.36	10.36
Aroclor-1268 {2}			11.44				10.34	10.34
Aroclor-1268 {3}			11.70				10.60	10.60
Aroclor-1268 {4}			11.84				10.74	10.74
Aroclor-1268 {5}			12.93				11.83	11.83

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 08/30/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R3532.D R3531.D R3530.D R3529.D R3528.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			18885739				
Aroclor-1262 {2}			34996193				
Aroclor-1262 {3}			13090002				
Aroclor-1262 {4}			14013040				
Aroclor-1262 {5}			8685908				
Aroclor-1268			38176891				
Aroclor-1268 {2}			36098723				
Aroclor-1268 {3}			28239722				
Aroclor-1268 {4}			7780749				
Aroclor-1268 {5}			69983542				

GC Column (2nd): DB-1701P

Data File: R3532.C R3531.C R3530.C R3529.C R3528.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			6988647				
Aroclor-1262 {2}			15123170				
Aroclor-1262 {3}			5179924				
Aroclor-1262 {4}			10480275				
Aroclor-1262 {5}			3384243				
Aroclor-1268			14450716				
Aroclor-1268 {2}			14473253				
Aroclor-1268 {3}			11740930				
Aroclor-1268 {4}			3179201				
Aroclor-1268 {5}			35680648				

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.98	3.99	3.98	3.98	3.98	3.98	3.91	4.05
Aroclor-1016 {2}	4.84	4.88	4.88	4.88	4.88	4.87	4.80	4.94
Aroclor-1016 {3}	5.46	5.47	5.46	5.46	5.46	5.46	5.39	5.53
Aroclor-1016 {4}	5.99	6.00	5.99	5.99	5.99	5.99	5.92	6.06
Aroclor-1016 {5}	6.40	6.41	6.40	6.40	6.40	6.40	6.33	6.47
Aroclor-1221			2.77				2.70	2.84
Aroclor-1221 {2}			3.77				3.70	3.84
Aroclor-1221 {3}			3.90				3.83	3.97
Aroclor-1221 {4}			3.99				3.92	4.06
Aroclor-1221 {5}			4.63				4.56	4.70
Aroclor-1232			3.98				3.91	4.05
Aroclor-1232 {2}			4.88				4.81	4.95
Aroclor-1232 {3}			5.58				5.51	5.65
Aroclor-1232 {4}			6.20				6.13	6.27
Aroclor-1232 {5}			6.40				6.33	6.47
Aroclor-1242			4.88				4.81	4.95
Aroclor-1242 {2}			5.86				5.79	5.93
Aroclor-1242 {3}			6.20				6.13	6.27
Aroclor-1242 {4}			6.92				6.85	6.99
Aroclor-1242 {5}			7.21				7.14	7.28
Aroclor-1248			5.30				5.22	5.38
Aroclor-1248 {2}			5.86				5.78	5.94
Aroclor-1248 {3}			6.20				6.12	6.28
Aroclor-1248 {4}			6.93				6.85	7.01
Aroclor-1248 {5}			7.21				7.13	7.29
Aroclor-1254			7.33				7.25	7.41
Aroclor-1254 {2}			7.78				7.70	7.86
Aroclor-1254 {3}			7.95				7.86	8.04
Aroclor-1254 {4}			8.40				8.31	8.49
Aroclor-1254 {5}			9.26				9.17	9.35
Aroclor-1260	9.26	9.26	9.26	9.25	9.26	9.26	8.36	10.16
Aroclor-1260 {2}	9.94	9.95	9.94	9.94	9.94	9.94	9.04	10.84
Aroclor-1260 {3}	10.42	10.43	10.42	10.42	10.42	10.42	9.52	11.32
Aroclor-1260 {4}	10.92	10.92	10.92	10.92	10.92	10.92	10.02	11.82
Aroclor-1260 {5}	11.97	11.99	11.99	11.99	11.99	11.98	11.08	12.88

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	3511652	2816199	3467138	3317027	3099693	3242342	8.87
Aroclor-1016 {2}	4188236	3253991	4718865	4551856	4200745	4182738	13.56
Aroclor-1016 {3}	6055619	4295515	6229272	5975596	5562124	5623625	13.90
Aroclor-1016 {4}	2785133	1991453	2882208	2787547	2660777	2621424	13.76
Aroclor-1016 {5}	4915019	3355545	5007014	4861594	4618781	4551591	15.02
Aroclor-1221			1257546				
Aroclor-1221 {2}			1893487				
Aroclor-1221 {3}			1309294				
Aroclor-1221 {4}			4676883				
Aroclor-1221 {5}			1002527				
Aroclor-1232			3240639				
Aroclor-1232 {2}			1842958				
Aroclor-1232 {3}			1718532				
Aroclor-1232 {4}			1775155				
Aroclor-1232 {5}			2335323				
Aroclor-1242			3625567				
Aroclor-1242 {2}			2229770				
Aroclor-1242 {3}			3195758				
Aroclor-1242 {4}			4993590				
Aroclor-1242 {5}			4382398				
Aroclor-1248			7725170				
Aroclor-1248 {2}			4221262				
Aroclor-1248 {3}			5543238				
Aroclor-1248 {4}			9059725				
Aroclor-1248 {5}			7047603				
Aroclor-1254			9927381				
Aroclor-1254 {2}			6402045				
Aroclor-1254 {3}			11830910				
Aroclor-1254 {4}			13745369				
Aroclor-1254 {5}			12105674				
Aroclor-1260	14233122	11021092	15871385	15489084	14388910	14200719	13.45
Aroclor-1260 {2}	6114874	5165039	7187490	7094178	6735037	6459324	12.96
Aroclor-1260 {3}	18675711	14343619	22383335	22061075	21339183	19760584	17.01
Aroclor-1260 {4}	9961583	6815883	9883281	9419191	9071522	9030292	14.28
Aroclor-1260 {5}	4000512	3129452	4122738	4269482	4017395	3907916	11.47
Average %RSD							13.43

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R
 GC Column (2nd): RTX-CLP2

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	4.29	4.30	4.29	4.29	4.29	4.29	4.22	4.36
Aroclor-1016 {2}	4.91	4.92	4.91	4.91	4.91	4.91	4.84	4.98
Aroclor-1016 {3}	5.68	5.69	5.68	5.68	5.68	5.68	5.61	5.75
Aroclor-1016 {4}	5.89	5.91	5.89	5.89	5.89	5.90	5.83	5.97
Aroclor-1016 {5}	6.08	6.09	6.07	6.07	6.07	6.08	6.01	6.15
Aroclor-1221			2.91				2.84	2.98
Aroclor-1221 {2}			3.96				3.89	4.03
Aroclor-1221 {3}			4.21				4.14	4.28
Aroclor-1221 {4}			4.30				4.23	4.37
Aroclor-1221 {5}			5.69				5.62	5.76
Aroclor-1232			4.29				4.22	4.36
Aroclor-1232 {2}			5.30				5.23	5.37
Aroclor-1232 {3}			5.90				5.83	5.97
Aroclor-1232 {4}			6.07				6.00	6.14
Aroclor-1232 {5}			6.68				6.61	6.75
Aroclor-1242			5.30				5.23	5.37
Aroclor-1242 {2}			6.07				6.00	6.14
Aroclor-1242 {3}			6.68				6.61	6.75
Aroclor-1242 {4}			6.84				6.77	6.91
Aroclor-1242 {5}			7.38				7.31	7.45
Aroclor-1248			5.68				5.60	5.76
Aroclor-1248 {2}			6.28				6.20	6.36
Aroclor-1248 {3}			6.68				6.60	6.76
Aroclor-1248 {4}			6.84				6.76	6.92
Aroclor-1248 {5}			7.19				7.11	7.27
Aroclor-1254			7.69				7.61	7.77
Aroclor-1254 {2}			8.29				8.21	8.37
Aroclor-1254 {3}			8.73				8.64	8.82
Aroclor-1254 {4}			8.91				8.82	9.00
Aroclor-1254 {5}			9.74				9.65	9.83
Aroclor-1260	8.73	8.74	8.73	8.73	8.73	8.73	7.83	9.63
Aroclor-1260 {2}	9.14	9.15	9.14	9.14	9.14	9.14	8.24	10.04
Aroclor-1260 {3}	10.34	10.35	10.34	10.34	10.34	10.34	9.44	11.24
Aroclor-1260 {4}	10.85	10.86	10.85	10.84	10.85	10.85	9.95	11.75
Aroclor-1260 {5}	11.45	11.46	11.44	11.44	11.44	11.45	10.55	12.35

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R
 GC Column (2nd): RTX-CLP2

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	3130558	2679139	3011975	2774350	2512524	2821709	8.86
Aroclor-1016 {2}	5796044	5225297	5748314	5335239	4842326	5389444	7.32
Aroclor-1016 {3}	12226143	11358837	12777155	12035270	11187275	11916936	5.46
Aroclor-1016 {4}	5061478	5719039	5548767	5117295	4674807	5224277	7.95
Aroclor-1016 {5}	5152686	5148770	4328416	4022161	3716230	4473652	14.64
Aroclor-1221			1307358				
Aroclor-1221 {2}			1761591				
Aroclor-1221 {3}			1212973				
Aroclor-1221 {4}			4126657				
Aroclor-1221 {5}			853562				
Aroclor-1232			2963857				
Aroclor-1232 {2}			1145681				
Aroclor-1232 {3}			2451228				
Aroclor-1232 {4}			1915006				
Aroclor-1232 {5}			2742806				
Aroclor-1242			2098851				
Aroclor-1242 {2}			3553903				
Aroclor-1242 {3}			4708079				
Aroclor-1242 {4}			3953510				
Aroclor-1242 {5}			7472256				
Aroclor-1248			6726171				
Aroclor-1248 {2}			9608012				
Aroclor-1248 {3}			7178237				
Aroclor-1248 {4}			6183837				
Aroclor-1248 {5}			3629057				
Aroclor-1254			9005872				
Aroclor-1254 {2}			7281883				
Aroclor-1254 {3}			4642513				
Aroclor-1254 {4}			6930365				
Aroclor-1254 {5}			9786450				
Aroclor-1260	7743082	6239003	6832797	6337301	5843691	6599175	11.06
Aroclor-1260 {2}	7503867	7020840	7921266	7377084	6814102	7327432	5.88
Aroclor-1260 {3}	5971058	5703678	5982914	5624209	5233499	5703072	5.38
Aroclor-1260 {4}	12246873	10857970	12788461	12195487	11518107	11921380	6.26
Aroclor-1260 {5}	8492005	7889151	9031351	8620466	8096124	8425819	5.33
Average %RSD							7.81

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.55				8.65	8.65
Aroclor-1262 {2}			10.42				9.52	9.52
Aroclor-1262 {3}			11.06				10.16	10.16
Aroclor-1262 {4}			11.15				10.15	10.15
Aroclor-1262 {5}			11.99				10.99	10.99
Aroclor-1268			11.06				10.06	10.06
Aroclor-1268 {2}			11.15				10.05	10.05
Aroclor-1268 {3}			11.63				10.53	10.53
Aroclor-1268 {4}			11.76				10.66	10.66
Aroclor-1268 {5}			12.60				11.50	11.50

GC Column (2nd): DB-1701P

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			10.34				9.44	9.44
Aroclor-1262 {2}			10.85				9.95	9.95
Aroclor-1262 {3}			11.35				10.45	10.45
Aroclor-1262 {4}			11.44				10.44	10.44
Aroclor-1262 {5}			12.05				11.05	11.05
Aroclor-1268			11.35				10.35	10.35
Aroclor-1268 {2}			11.43				10.33	10.33
Aroclor-1268 {3}			11.69				10.59	10.59
Aroclor-1268 {4}			11.83				10.73	10.73
Aroclor-1268 {5}			12.92				11.82	11.82

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			17437361				
Aroclor-1262 {2}			30610702				
Aroclor-1262 {3}			11568494				
Aroclor-1262 {4}			11756894				
Aroclor-1262 {5}			7687568				
Aroclor-1268			33144927				
Aroclor-1268 {2}			31144063				
Aroclor-1268 {3}			23837402				
Aroclor-1268 {4}			5780849				
Aroclor-1268 {5}			61954251				

GC Column (2nd): DB-1701P

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			8300472				
Aroclor-1262 {2}			18219682				
Aroclor-1262 {3}			6030617				
Aroclor-1262 {4}			12262874				
Aroclor-1262 {5}			2288702				
Aroclor-1268			18489633				
Aroclor-1268 {2}			18976679				
Aroclor-1268 {3}			15077914				
Aroclor-1268 {4}			3974914				
Aroclor-1268 {5}			44570519				

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/25/2012

Instrument ID: GC-R

Data File: R3998.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.91	4.05	2956783	3480283	17.71
Aroclor-1016 {2}	4.88	4.80	4.94	3180935	3691069	16.04
Aroclor-1016 {3}	5.46	5.39	5.53	5037171	5470636	8.61
Aroclor-1016 {4}	5.99	5.92	6.06	2331279	2653004	13.80
Aroclor-1016 {5}	6.41	6.33	6.47	4018839	4587464	14.15
Aroclor-1260	9.26	8.35	10.15	11832055	12554672	6.11
Aroclor-1260 {2}	9.95	9.04	10.84	6517838	5746917	11.83
Aroclor-1260 {3}	10.42	9.52	11.32	19005881	17068980	10.19
Aroclor-1260 {4}	10.92	10.01	11.81	9305595	7960788	14.45
Aroclor-1260 {5}	11.99	11.08	12.88	4693522	4628708	1.38
Average %D						11.43

Data File: R3998.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.30	4.22	4.36	2716548	2730643	0.52
Aroclor-1016 {2}	4.92	4.84	4.98	5219412	6160488	18.03
Aroclor-1016 {3}	5.69	5.61	5.75	11529208	13063720	13.31
Aroclor-1016 {4}	5.91	5.83	5.97	4657273	4929429	5.84
Aroclor-1016 {5}	6.09	6.01	6.15	3834792	4285387	11.75
Aroclor-1260	8.74	7.83	9.63	5239749	6063201	15.72
Aroclor-1260 {2}	9.15	8.24	10.04	5891072	6812631	15.64
Aroclor-1260 {3}	10.35	9.45	11.25	4216652	4724042	12.03
Aroclor-1260 {4}	10.86	9.95	11.75	8861982	9485609	7.04
Aroclor-1260 {5}	11.46	10.55	12.35	5905712	6504970	10.15
Average %D						11.00

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 09/26/2012

Instrument ID: GC-R

Data File: R4020.D

GC Column (1st): DB-5

Compound	RT	RT W I N D O W		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.91	4.05	2956783	3365561	13.83
Aroclor-1016 {2}	4.88	4.80	4.94	3180935	3627436	14.04
Aroclor-1016 {3}	5.46	5.39	5.53	5037171	5849478	16.13
Aroclor-1016 {4}	5.99	5.92	6.06	2331279	2201937	5.55
Aroclor-1016 {5}	6.41	6.33	6.47	4018839	4670007	16.20
Aroclor-1260	9.26	8.35	10.15	11832055	11644984	1.58
Aroclor-1260 {2}	9.95	9.04	10.84	6517838	5486778	15.82
Aroclor-1260 {3}	10.43	9.52	11.32	19005881	15842480	16.64
Aroclor-1260 {4}	10.92	10.01	11.81	9305595	7755294	16.66
Aroclor-1260 {5}	11.99	11.08	12.88	4693522	4883463	4.05
Average %D						12.05

Data File: R4020.C

GC Column (2nd): DB-1701P

Compound	RT	RT W I N D O W		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.30	4.22	4.36	2716548	2775226	2.16
Aroclor-1016 {2}	4.92	4.84	4.98	5219412	6037779	15.68
Aroclor-1016 {3}	5.69	5.61	5.75	11529208	13157826	14.13
Aroclor-1016 {4}	5.91	5.83	5.97	4657273	5241745	12.55
Aroclor-1016 {5}	6.09	6.01	6.15	3834792	4500978	17.37
Aroclor-1260	8.74	7.83	9.63	5239749	6068299	15.81
Aroclor-1260 {2}	9.15	8.24	10.04	5891072	6622671	12.42
Aroclor-1260 {3}	10.35	9.45	11.25	4216652	4757114	12.82
Aroclor-1260 {4}	10.86	9.95	11.75	8861982	9663570	9.05
Aroclor-1260 {5}	11.46	10.55	12.35	5905712	6682224	13.15
Average %D						12.51

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/05/2012

Instrument ID: GC-R

Data File: R4204.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.91	4.05	3242342	2841929	12.35
Aroclor-1016 {2}	4.87	4.80	4.94	4182738	3955673	5.43
Aroclor-1016 {3}	5.46	5.39	5.53	5623625	5416080	3.69
Aroclor-1016 {4}	5.99	5.92	6.06	2621424	2559592	2.36
Aroclor-1016 {5}	6.40	6.33	6.47	4551591	4425081	2.78
Aroclor-1260	9.26	8.36	10.16	14200719	13647213	3.90
Aroclor-1260 {2}	9.94	9.04	10.84	6459324	6337101	1.89
Aroclor-1260 {3}	10.42	9.52	11.32	19760584	19228642	2.69
Aroclor-1260 {4}	10.91	10.02	11.82	9030292	8427659	6.67
Aroclor-1260 {5}	11.99	11.08	12.88	3907916	3994958	2.23
Average %D						4.40

Data File: R4204.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.29	4.22	4.36	2821709	2527513	10.43
Aroclor-1016 {2}	4.90	4.84	4.98	5389444	5043923	6.41
Aroclor-1016 {3}	5.68	5.61	5.75	11916936	11110724	6.77
Aroclor-1016 {4}	5.89	5.83	5.97	5224277	4869952	6.78
Aroclor-1016 {5}	6.07	6.01	6.15	4473652	3807768	14.88
Aroclor-1260	8.73	7.83	9.63	6599175	5906869	10.49
Aroclor-1260 {2}	9.14	8.24	10.04	7327432	6622712	9.62
Aroclor-1260 {3}	10.34	9.44	11.24	5703072	5298886	7.09
Aroclor-1260 {4}	10.85	9.95	11.75	11921380	11317428	5.07
Aroclor-1260 {5}	11.44	10.55	12.35	8425819	8125962	3.56
Average %D						8.11

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/05/2012 Instrument ID: GC-R

Data File: R4220.D GC Column (1st): DB-5

Compound	RT	RT W I N D O W		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.91	4.05	3242342	2997172	7.56
Aroclor-1016 {2}	4.87	4.80	4.94	4182738	3964795	5.21
Aroclor-1016 {3}	5.46	5.39	5.53	5623625	5489975	2.38
Aroclor-1016 {4}	5.99	5.92	6.06	2621424	2526421	3.62
Aroclor-1016 {5}	6.40	6.33	6.47	4551591	4482645	1.51
Aroclor-1260	9.26	8.36	10.16	14200719	12961620	8.73
Aroclor-1260 {2}	9.94	9.04	10.84	6459324	6305133	2.39
Aroclor-1260 {3}	10.42	9.52	11.32	19760584	17930657	9.26
Aroclor-1260 {4}	10.92	10.02	11.82	9030292	8583892	4.94
Aroclor-1260 {5}	11.99	11.08	12.88	3907916	3715505	4.92
Average %D						5.05

Data File: R4220.C GC Column (2nd): DB-1701P

Compound	RT	RT W I N D O W		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.29	4.22	4.36	2821709	2719905	3.61
Aroclor-1016 {2}	4.90	4.84	4.98	5389444	5439635	0.93
Aroclor-1016 {3}	5.67	5.61	5.75	11916936	11886219	0.26
Aroclor-1016 {4}	5.89	5.83	5.97	5224277	4919758	5.83
Aroclor-1016 {5}	6.07	6.01	6.15	4473652	3879981	13.27
Aroclor-1260	8.72	7.83	9.63	6599175	6032305	8.59
Aroclor-1260 {2}	9.13	8.24	10.04	7327432	6368408	13.09
Aroclor-1260 {3}	10.33	9.44	11.24	5703072	5304479	6.99
Aroclor-1260 {4}	10.84	9.95	11.75	11921380	11253325	5.60
Aroclor-1260 {5}	11.44	10.55	12.35	8425819	8135399	3.45
Average %D						6.16

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.55				8.65	8.65
Aroclor-1262 {2}			10.42				9.52	9.52
Aroclor-1262 {3}			11.06				10.16	10.16
Aroclor-1262 {4}			11.15				10.15	10.15
Aroclor-1262 {5}			11.99				10.99	10.99
Aroclor-1268			11.06				10.06	10.06
Aroclor-1268 {2}			11.15				10.05	10.05
Aroclor-1268 {3}			11.63				10.53	10.53
Aroclor-1268 {4}			11.76				10.66	10.66
Aroclor-1268 {5}			12.60				11.50	11.50

GC Column (2nd): DB-1701P

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	RT OF STANDARDS					MEAN RT	RT WI N DOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			10.34				9.44	9.44
Aroclor-1262 {2}			10.85				9.95	9.95
Aroclor-1262 {3}			11.35				10.45	10.45
Aroclor-1262 {4}			11.44				10.44	10.44
Aroclor-1262 {5}			12.05				11.05	11.05
Aroclor-1268			11.35				10.35	10.35
Aroclor-1268 {2}			11.43				10.33	10.33
Aroclor-1268 {3}			11.69				10.59	10.59
Aroclor-1268 {4}			11.83				10.73	10.73
Aroclor-1268 {5}			12.92				11.82	11.82

PCB INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R4027.D R4026.D R4025.D R4024.D R4023.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			17437361				
Aroclor-1262 {2}			30610702				
Aroclor-1262 {3}			11568494				
Aroclor-1262 {4}			11756894				
Aroclor-1262 {5}			7687568				
Aroclor-1268			33144927				
Aroclor-1268 {2}			31144063				
Aroclor-1268 {3}			23837402				
Aroclor-1268 {4}			5780849				
Aroclor-1268 {5}			61954251				

GC Column (2nd): DB-1701P

Data File: R4027.C R4026.C R4025.C R4024.C R4023.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			8300472				
Aroclor-1262 {2}			18219682				
Aroclor-1262 {3}			6030617				
Aroclor-1262 {4}			12262874				
Aroclor-1262 {5}			2288702				
Aroclor-1268			18489633				
Aroclor-1268 {2}			18976679				
Aroclor-1268 {3}			15077914				
Aroclor-1268 {4}			3974914				
Aroclor-1268 {5}			44570519				

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/12/2012 Instrument ID: GC-R

Data File: R4339.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.91	4.05	3242342	3206929	1.09
Aroclor-1016 {2}	4.87	4.80	4.94	4182738	3893009	6.93
Aroclor-1016 {3}	5.46	5.39	5.53	5623625	5790156	2.96
Aroclor-1016 {4}	5.99	5.92	6.06	2621424	2430737	7.27
Aroclor-1016 {5}	6.40	6.33	6.47	4551591	4916152	8.01
Aroclor-1260	9.26	8.36	10.16	14200719	13991126	1.48
Aroclor-1260 {2}	9.94	9.04	10.84	6459324	6796990	5.23
Aroclor-1260 {3}	10.42	9.52	11.32	19760584	21716566	9.90
Aroclor-1260 {4}	10.92	10.02	11.82	9030292	9195934	1.83
Aroclor-1260 {5}	11.99	11.08	12.88	3907916	4069532	4.14
Average %D						4.88

Data File: R4339.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.29	4.22	4.36	2821709	2786860	1.24
Aroclor-1016 {2}	4.90	4.84	4.98	5389444	5492135	1.91
Aroclor-1016 {3}	5.67	5.61	5.75	11916936	11858795	0.49
Aroclor-1016 {4}	5.89	5.83	5.97	5224277	4884700	6.50
Aroclor-1016 {5}	6.07	6.01	6.15	4473652	3933756	12.07
Aroclor-1260	8.72	7.83	9.63	6599175	6450165	2.26
Aroclor-1260 {2}	9.13	8.24	10.04	7327432	6622301	9.62
Aroclor-1260 {3}	10.33	9.44	11.24	5703072	5445853	4.51
Aroclor-1260 {4}	10.84	9.95	11.75	11921380	11459340	3.88
Aroclor-1260 {5}	11.44	10.55	12.35	8425819	8107508	3.78
Average %D						4.62

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/13/2012 Instrument ID: GC-R

Data File: R4364.D GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.91	4.05	3242342	3043510	6.13
Aroclor-1016 {2}	4.88	4.80	4.94	4182738	3665226	12.37
Aroclor-1016 {3}	5.46	5.39	5.53	5623625	5384450	4.25
Aroclor-1016 {4}	5.99	5.92	6.06	2621424	2842010	8.41
Aroclor-1016 {5}	6.40	6.33	6.47	4551591	4574581	0.51
Aroclor-1260	9.26	8.36	10.16	14200719	12416221	12.57
Aroclor-1260 {2}	9.94	9.04	10.84	6459324	5925686	8.26
Aroclor-1260 {3}	10.42	9.52	11.32	19760584	18135762	8.22
Aroclor-1260 {4}	10.92	10.02	11.82	9030292	7868666	12.86
Aroclor-1260 {5}	11.99	11.08	12.88	3907916	3831888	1.95
Average %D						7.55

Data File: R4364.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.29	4.22	4.36	2821709	2706599	4.08
Aroclor-1016 {2}	4.90	4.84	4.98	5389444	5352558	0.68
Aroclor-1016 {3}	5.67	5.61	5.75	11916936	11496833	3.53
Aroclor-1016 {4}	5.89	5.83	5.97	5224277	4705672	9.93
Aroclor-1016 {5}	6.07	6.01	6.15	4473652	3804897	14.95
Aroclor-1260	8.72	7.83	9.63	6599175	6119025	7.28
Aroclor-1260 {2}	9.13	8.24	10.04	7327432	6296303	14.07
Aroclor-1260 {3}	10.33	9.44	11.24	5703072	5138391	9.90
Aroclor-1260 {4}	10.84	9.95	11.75	11921380	10877433	8.76
Aroclor-1260 {5}	11.44	10.55	12.35	8425819	7656128	9.13
Average %D						8.23

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/15/2012 Instrument ID: GC-R

Data File: R4365.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.91	4.05	3242342	3453764	6.52
Aroclor-1016 {2}	4.88	4.80	4.94	4182738	3479459	16.81
Aroclor-1016 {3}	5.46	5.39	5.53	5623625	6057651	7.72
Aroclor-1016 {4}	5.99	5.92	6.06	2621424	2512778	4.14
Aroclor-1016 {5}	6.41	6.33	6.47	4551591	4999432	9.84
Aroclor-1260	9.26	8.36	10.16	14200719	13379104	5.79
Aroclor-1260 {2}	9.95	9.04	10.84	6459324	6593599	2.08
Aroclor-1260 {3}	10.43	9.52	11.32	19760584	19121690	3.23
Aroclor-1260 {4}	10.92	10.02	11.82	9030292	8338146	7.66
Aroclor-1260 {5}	11.99	11.08	12.88	3907916	3742147	4.24
Average %D						6.80

Data File: R4365.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.30	4.22	4.36	2821709	3045705	7.94
Aroclor-1016 {2}	4.92	4.84	4.98	5389444	5834690	8.26
Aroclor-1016 {3}	5.69	5.61	5.75	11916936	12508182	4.96
Aroclor-1016 {4}	5.90	5.83	5.97	5224277	5129008	1.82
Aroclor-1016 {5}	6.08	6.01	6.15	4473652	4239032	5.24
Aroclor-1260	8.74	7.83	9.63	6599175	6481720	1.78
Aroclor-1260 {2}	9.15	8.24	10.04	7327432	6641113	9.37
Aroclor-1260 {3}	10.35	9.44	11.24	5703072	5402767	5.27
Aroclor-1260 {4}	10.86	9.95	11.75	11921380	11341930	4.86
Aroclor-1260 {5}	11.45	10.55	12.35	8425819	8015769	4.87
Average %D						5.44

PCB CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/15/2012

Instrument ID: GC-R

Data File: R4368.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.98	3.91	4.05	3242342	3228755	0.42
Aroclor-1016 {2}	4.87	4.80	4.94	4182738	4009768	4.14
Aroclor-1016 {3}	5.46	5.39	5.53	5623625	5481950	2.52
Aroclor-1016 {4}	5.99	5.92	6.06	2621424	2826419	7.82
Aroclor-1016 {5}	6.40	6.33	6.47	4551591	4471719	1.75
Aroclor-1260	9.25	8.36	10.16	14200719	11773680	17.09
Aroclor-1260 {2}	9.94	9.04	10.84	6459324	5484031	15.10
Aroclor-1260 {3}	10.42	9.52	11.32	19760584	16311364	17.46
Aroclor-1260 {4}	10.91	10.02	11.82	9030292	7994695	11.47
Aroclor-1260 {5}	11.99	11.08	12.88	3907916	4096293	4.82
Average %D						8.26

Data File: R4368.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	4.28	4.22	4.36	2821709	2773760	1.70
Aroclor-1016 {2}	4.90	4.84	4.98	5389444	5389321	0.00
Aroclor-1016 {3}	5.67	5.61	5.75	11916936	11479589	3.67
Aroclor-1016 {4}	5.89	5.83	5.97	5224277	4599198	11.96
Aroclor-1016 {5}	6.07	6.01	6.15	4473652	3790577	15.27
Aroclor-1260	8.72	7.83	9.63	6599175	5820706	11.80
Aroclor-1260 {2}	9.13	8.24	10.04	7327432	5940979	18.92
Aroclor-1260 {3}	10.33	9.44	11.24	5703072	4813136	15.60
Aroclor-1260 {4}	10.84	9.95	11.75	11921380	10151199	14.85
Aroclor-1260 {5}	11.44	10.55	12.35	8425819	7407813	12.08
Average %D						10.59

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	RT OF STANDARDS					MEAN RT	RT WI NDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.62				7.72	7.72
Aroclor-1262 {2}			9.48				8.58	8.58
Aroclor-1262 {3}			10.11				9.21	9.21
Aroclor-1262 {4}			10.20				9.20	9.20
Aroclor-1262 {5}			11.02				10.02	10.02
Aroclor-1268			10.11				9.11	9.11
Aroclor-1268 {2}			10.19				9.09	9.09
Aroclor-1268 {3}			10.66				9.56	9.56
Aroclor-1268 {4}			10.79				9.69	9.69
Aroclor-1268 {5}			11.62				10.52	10.52

GC Column (2nd): DB-1701P

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	RT OF STANDARDS					MEAN RT	RT WI NDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.71				8.81	8.81
Aroclor-1262 {2}			10.21				9.31	9.31
Aroclor-1262 {3}			10.71				9.81	9.81
Aroclor-1262 {4}			10.80				9.80	9.80
Aroclor-1262 {5}			11.40				10.40	10.40
Aroclor-1268			10.71				9.71	9.71
Aroclor-1268 {2}			10.79				9.69	9.69
Aroclor-1268 {3}			11.04				9.94	9.94
Aroclor-1268 {4}			11.18				10.08	10.08
Aroclor-1268 {5}			12.26				11.16	11.16

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/28/2012

Instrument ID: GC-Y

GC Column (1st): DB-5

Data File: Y2063.D Y2062.D Y2061.D Y2060.D Y2059.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			5723712				
Aroclor-1262 {2}			11103977				
Aroclor-1262 {3}			3941244				
Aroclor-1262 {4}			4806051				
Aroclor-1262 {5}			3488596				
Aroclor-1268			10400384				
Aroclor-1268 {2}			11807520				
Aroclor-1268 {3}			8682822				
Aroclor-1268 {4}			2580683				
Aroclor-1268 {5}			24120559				

GC Column (2nd): DB-1701P

Data File: Y2063.C Y2062.C Y2061.C Y2060.C Y2059.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1503307				
Aroclor-1262 {2}			3495508				
Aroclor-1262 {3}			1149322				
Aroclor-1262 {4}			2483364				
Aroclor-1262 {5}			660222				
Aroclor-1268			3095046				
Aroclor-1268 {2}			3474509				
Aroclor-1268 {3}			2744531				
Aroclor-1268 {4}			887397				
Aroclor-1268 {5}			8207458				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/15/2012

Instrument ID: GC-Y

Data File: Y2455.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1748171	1616851	7.51
Aroclor-1016 {2}	4.11	4.04	4.18	2349604	2193773	6.63
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	3054005	5.26
Aroclor-1016 {4}	5.17	5.09	5.23	1603777	1610653	0.43
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2460898	0.02
Aroclor-1260	8.34	7.43	9.23	6114046	6712479	9.79
Aroclor-1260 {2}	9.01	8.11	9.91	2678523	2878268	7.46
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	7684829	11.58
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	3701029	5.83
Aroclor-1260 {5}	11.02	10.12	11.92	1836209	1781486	2.98
Average %D						5.75

Data File: Y2455.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.70	3.84	534609	503874	5.75
Aroclor-1016 {2}	4.37	4.30	4.44	1047016	991592	5.29
Aroclor-1016 {3}	5.13	5.05	5.19	2322989	2254681	2.94
Aroclor-1016 {4}	5.34	5.26	5.40	988119	965448	2.29
Aroclor-1016 {5}	5.51	5.44	5.58	769829	759835	1.30
Aroclor-1260	7.87	6.97	8.77	803894	852974	6.11
Aroclor-1260 {2}	8.12	7.22	9.02	1157590	1264348	9.22
Aroclor-1260 {3}	9.71	8.81	10.61	1002923	1134783	13.15
Aroclor-1260 {4}	10.22	9.31	11.11	2113615	2303690	8.99
Aroclor-1260 {5}	10.81	9.90	11.70	1467139	1645747	12.17
Average %D						6.72

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/16/2012

Instrument ID: GC-Y

Data File: Y2480.D

GC Column (1st): DB-5

Compound	RT	RT W I N D O W		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.29	3.21	3.35	1748171	1576343	9.83
Aroclor-1016 {2}	4.12	4.04	4.18	2349604	2108815	10.25
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	2980980	7.53
Aroclor-1016 {4}	5.17	5.09	5.23	1603777	1610996	0.45
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2407235	2.16
Aroclor-1260	8.34	7.43	9.23	6114046	6432966	5.22
Aroclor-1260 {2}	9.01	8.11	9.91	2678523	2864247	6.93
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	7640979	10.94
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	3637852	4.02
Aroclor-1260 {5}	11.03	10.12	11.92	1836209	1620504	11.75
Average %D						6.91

Data File: Y2480.C

GC Column (2nd): DB-1701P

Compound	RT	RT W I N D O W		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.70	3.84	534609	515912	3.50
Aroclor-1016 {2}	4.37	4.30	4.44	1047016	1017141	2.85
Aroclor-1016 {3}	5.13	5.05	5.19	2322989	2321459	0.07
Aroclor-1016 {4}	5.34	5.26	5.40	988119	978770	0.95
Aroclor-1016 {5}	5.51	5.44	5.58	769829	779341	1.24
Aroclor-1260	7.87	6.97	8.77	803894	872065	8.48
Aroclor-1260 {2}	8.12	7.22	9.02	1157590	1284936	11.00
Aroclor-1260 {3}	9.71	8.81	10.61	1002923	1146246	14.29
Aroclor-1260 {4}	10.22	9.31	11.11	2113615	2374818	12.36
Aroclor-1260 {5}	10.81	9.90	11.70	1467139	1680756	14.56
Average %D						6.93

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/16/2012

Instrument ID: GC-Y

Data File: Y2504.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.28	3.21	3.35	1748171	1721518	1.52
Aroclor-1016 {2}	4.11	4.04	4.18	2349604	2304741	1.91
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	3240577	0.52
Aroclor-1016 {4}	5.17	5.09	5.23	1603777	1777911	10.86
Aroclor-1016 {5}	5.56	5.49	5.63	2460298	2589758	5.26
Aroclor-1260	8.34	7.43	9.23	6114046	6922223	13.22
Aroclor-1260 {2}	9.01	8.11	9.91	2678523	3010757	12.40
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	7587031	10.16
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	3453995	1.23
Aroclor-1260 {5}	11.03	10.12	11.92	1836209	1917819	4.44
Average %D						6.15

Data File: Y2504.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.79	3.70	3.84	534609	548879	2.67
Aroclor-1016 {2}	4.39	4.30	4.44	1047016	1071316	2.32
Aroclor-1016 {3}	5.14	5.05	5.19	2322989	2453123	5.60
Aroclor-1016 {4}	5.35	5.26	5.40	988119	1032591	4.50
Aroclor-1016 {5}	5.52	5.44	5.58	769829	822475	6.84
Aroclor-1260	7.88	6.97	8.77	803894	938811	16.78
Aroclor-1260 {2}	8.13	7.22	9.02	1157590	1333856	15.23
Aroclor-1260 {3}	9.72	8.81	10.61	1002923	1158385	15.50
Aroclor-1260 {4}	10.23	9.31	11.11	2113615	2384104	12.80
Aroclor-1260 {5}	10.82	9.90	11.70	1467139	1599129	9.00
Average %D						9.12

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/16/2012

Instrument ID: GC-Y

Data File: Y2512.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.29	3.21	3.35	1748171	1545104	11.62
Aroclor-1016 {2}	4.12	4.04	4.18	2349604	2064826	12.12
Aroclor-1016 {3}	4.67	4.59	4.73	3223667	2854803	11.44
Aroclor-1016 {4}	5.18	5.09	5.23	1603777	1550482	3.32
Aroclor-1016 {5}	5.57	5.49	5.63	2460298	2286346	7.07
Aroclor-1260	8.35	7.43	9.23	6114046	5940177	2.84
Aroclor-1260 {2}	9.02	8.11	9.91	2678523	2888583	7.84
Aroclor-1260 {3}	9.49	8.58	10.38	6887395	6848385	0.57
Aroclor-1260 {4}	9.97	9.06	10.86	3497099	3807094	8.86
Aroclor-1260 {5}	11.03	10.12	11.92	1836209	2111749	15.01
Average %D						8.07

Data File: Y2512.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.78	3.70	3.84	534609	515534	3.57
Aroclor-1016 {2}	4.38	4.30	4.44	1047016	1015257	3.03
Aroclor-1016 {3}	5.13	5.05	5.19	2322989	2302937	0.86
Aroclor-1016 {4}	5.34	5.26	5.40	988119	972736	1.56
Aroclor-1016 {5}	5.51	5.44	5.58	769829	765982	0.50
Aroclor-1260	7.87	6.97	8.77	803894	744668	7.37
Aroclor-1260 {2}	8.12	7.22	9.02	1157590	1267144	9.46
Aroclor-1260 {3}	9.71	8.81	10.61	1002923	931727	7.10
Aroclor-1260 {4}	10.22	9.31	11.11	2113615	2436688	15.29
Aroclor-1260 {5}	10.81	9.90	11.70	1467139	1599160	9.00
Average %D						5.77

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.48 DCB 1 13.11 TCMX 2 3.39 DCB 2 13.16

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1		DCB 1		TCMX 2		DCB 2	
				RT	#	RT	#	RT	#	RT	#
PCB	BLKA120920-06	09/25/2012	17:41	3.48		13.11		3.39		13.16	
MW-20	09292-001	09/25/2012	17:58	3.49		13.10		3.40		13.15	
MW-20D	09292-002	09/25/2012	18:16	3.49		13.10		3.40		13.15	
MW-21	09292-003	09/25/2012	18:33	3.50		13.10		3.40		13.15	
MW-21D	09292-004	09/25/2012	18:51	3.49		13.10		3.40		13.15	
MW-22	09292-005	09/25/2012	19:08	3.50		13.10		3.40		13.15	
MW-22D	09292-006	09/25/2012	19:25	3.49		13.10		3.40		13.15	
MW-23	09292-007	09/25/2012	19:43	3.49		13.10		3.40		13.15	
MW-23D	09292-008	09/25/2012	20:00	3.49		13.10		3.40		13.15	
FB	09292-009	09/25/2012	20:18	3.50		13.10		3.40		13.15	
FB-42	09301-049	09/25/2012	20:35	3.50		13.10		3.40		13.15	
PCB	09292-001MS	09/25/2012	20:52	3.50		13.10		3.40		13.15	
PCB	09292-001MSD	09/25/2012	21:10	3.50		13.10		3.40		13.15	
PCB	LCSA120920-06	09/25/2012	21:27	3.50		13.10		3.41		13.15	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.47 DCB 1 13.10 TCMX 2 3.38 DCB 2 13.15

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKA121004-07	10/05/2012	16:30	3.47	13.10	3.38	13.15
FB092711	09868-007	10/05/2012	16:48	3.47	13.10	3.38	13.15
MW-1-AQ	09837-003	10/05/2012	17:05	3.47	13.10	3.38	13.14
MW-2	09837-002	10/05/2012	17:23	3.47	13.10	3.38	13.14
FB-44	09988-025	10/05/2012	17:40	3.48	13.10	3.38	13.14
FB-45	10047-017	10/05/2012	17:57	3.48	13.10	3.38	13.15
PCB	LCSA121004-07	10/05/2012	18:15	3.48	13.10	3.38	13.14

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 3.48 DCB 1 13.10 TCMX 2 3.38 DCB 2 13.14

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT #	DCB 1 RT #	TCMX 2 RT #	DCB 2 RT #
PCB	BLKS121011-05	10/12/2012	19:53	3.48	13.10	3.38	13.14
DRUM002_PE	10273-001	10/12/2012	20:11	3.48	13.10	3.38	13.14
DRUM002-CO	10273-002	10/12/2012	20:28	3.48	13.10	3.38	13.14
DD-42_(1.0	09988-022	10/12/2012	21:03	3.48	13.10	3.38	13.14
DD-42_(3.0	09988-024	10/12/2012	21:38	3.48	13.10	3.38	13.14
T-1/1.0-1.	10076-001	10/12/2012	21:56	3.48	13.10	3.38	13.14
T-2/1.5-2.	10076-002	10/12/2012	22:13	3.48	13.10	3.38	13.14
T-3/1.5-2.	10076-003	10/12/2012	22:30	3.48	13.10	3.38	13.14
T-4/3.0-3.	10076-004	10/12/2012	22:48	3.48	13.10	3.38	13.14
T-5/3.0-3.	10076-005	10/12/2012	23:05	3.48	13.10	3.38	13.14
T-6/3.0-3.	10076-006	10/12/2012	23:23	3.48	13.10	3.38	13.14
T-7/3.0-3.	10076-007	10/12/2012	23:40	3.48	13.10	3.38	13.14
T-8/3.0-3.	10076-008	10/12/2012	23:57	3.48	13.10	3.38	13.14
T-9/3.5-4.	10076-009	10/13/2012	00:15	3.48	13.10	3.38	13.14
T-10/3.5-4	10076-010	10/13/2012	00:32	3.48	13.10	3.38	13.14
T-12/3.5-4	10076-011	10/13/2012	00:50	3.48	13.10	3.38	13.14
T-13/2.5-3	10076-012	10/13/2012	01:07	3.48	13.10	3.38	13.14
WC-5_(COMP	10085-005	10/13/2012	01:24	3.48	13.10	3.38	13.14
T-12-W5	10117-005	10/13/2012	01:42	3.48	13.10	3.38	13.14
PCB	10076-006MS	10/13/2012	01:59	3.48	13.10	3.38	13.14
PCB	10076-006MSD	10/13/2012	02:16	3.48	13.10	3.38	13.14
PCB	LCSS121011-05	10/13/2012	02:34	3.48	13.10	3.38	13.14
DD-42_(0-1	09988-021	10/15/2012	09:57	3.48	13.11	3.39	13.16
DD-42_(2.0	09988-023	10/15/2012	10:15	3.48	13.10	3.38	13.15

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 2.82 DCB 1 12.11 TCMX 2 2.91 DCB 2 12.49

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1		DCB 1		TCMX 2		DCB 2	
				RT	#	RT	#	RT	#	RT	#
PCB	BLKS121011-03	10/15/2012	17:47	2.82		12.11		2.91		12.49	
BB-44_(0-1	09988-001	10/15/2012	18:05	2.82		12.11		2.91		12.48	
BB-44_(1.0	09988-002	10/15/2012	18:22	2.82		12.11		2.91		12.48	
BB-44_(2.0	09988-003	10/15/2012	18:39	2.82		12.11		2.91		12.48	
BB-44_(3.0	09988-004	10/15/2012	18:56	2.82		12.11		2.91		12.49	
BB-43_(3.0	09988-008	10/15/2012	20:05	2.82		12.11		2.91		12.49	
CC-43_(0-1	09988-009	10/15/2012	20:22	2.82		12.11		2.91		12.49	
CC-43_(2.0	09988-011	10/15/2012	20:56	2.82		12.11		2.91		12.49	
CC-43_(3.0	09988-012	10/15/2012	21:14	2.82		12.11		2.91		12.49	
DD-41_(0-1	09988-013	10/15/2012	21:31	2.82		12.11		2.91		12.48	
DD-41_(2.0	09988-015	10/15/2012	22:05	2.82		12.11		2.91		12.48	
DD-41_(3.0	09988-016	10/15/2012	22:22	2.82		12.11		2.91		12.49	
DD-40_(2.0	09988-019	10/15/2012	23:14	2.82		12.11		2.91		12.48	
DD-40_(3.0	09988-020	10/15/2012	23:31	2.82		12.11		2.91		12.49	
PCB	09988-020MS	10/15/2012	23:48	2.82		12.11		2.91		12.49	
PCB	09988-020MSD	10/16/2012	00:06	2.82		12.11		2.91		12.49	
PCB	LCSS121011-03	10/16/2012	00:23	2.82		12.11		2.91		12.49	
BB-43_(0-1	09988-005	10/16/2012	10:00	0.00	D	0.00	D	0.00	D	0.00	D
BB-43_(1.0	09988-006	10/16/2012	10:17	0.00	D	0.00	D	0.00	D	0.00	D
BB-43_(2.0	09988-007	10/16/2012	10:34	2.82		12.11		2.91		12.49	
CC-43_(1.0	09988-010	10/16/2012	10:51	2.82		12.11		2.91		12.49	
DD-41_(1.0	09988-014	10/16/2012	11:08	0.00	D	0.00	D	0.00	D	0.00	D
DD-40_(0-1	09988-017	10/16/2012	11:25	2.82		12.11		2.91		12.49	
DD-40_(1.0	09988-018	10/16/2012	11:43	2.82		12.11		2.91		12.47	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SAMPLE DATA

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2457.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 18:05
 Operator : YG
 Sample : BB-44_(0-1,09988-001,S,5.19g,75.9,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:48:32 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

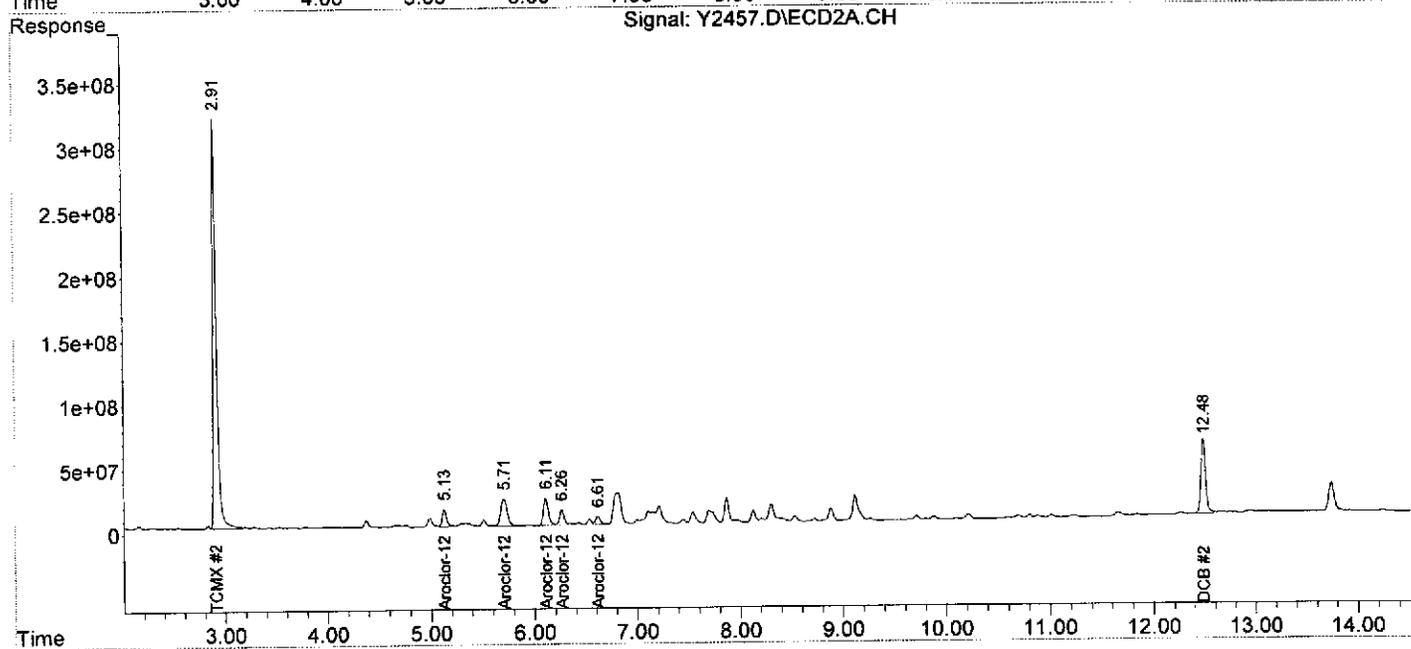
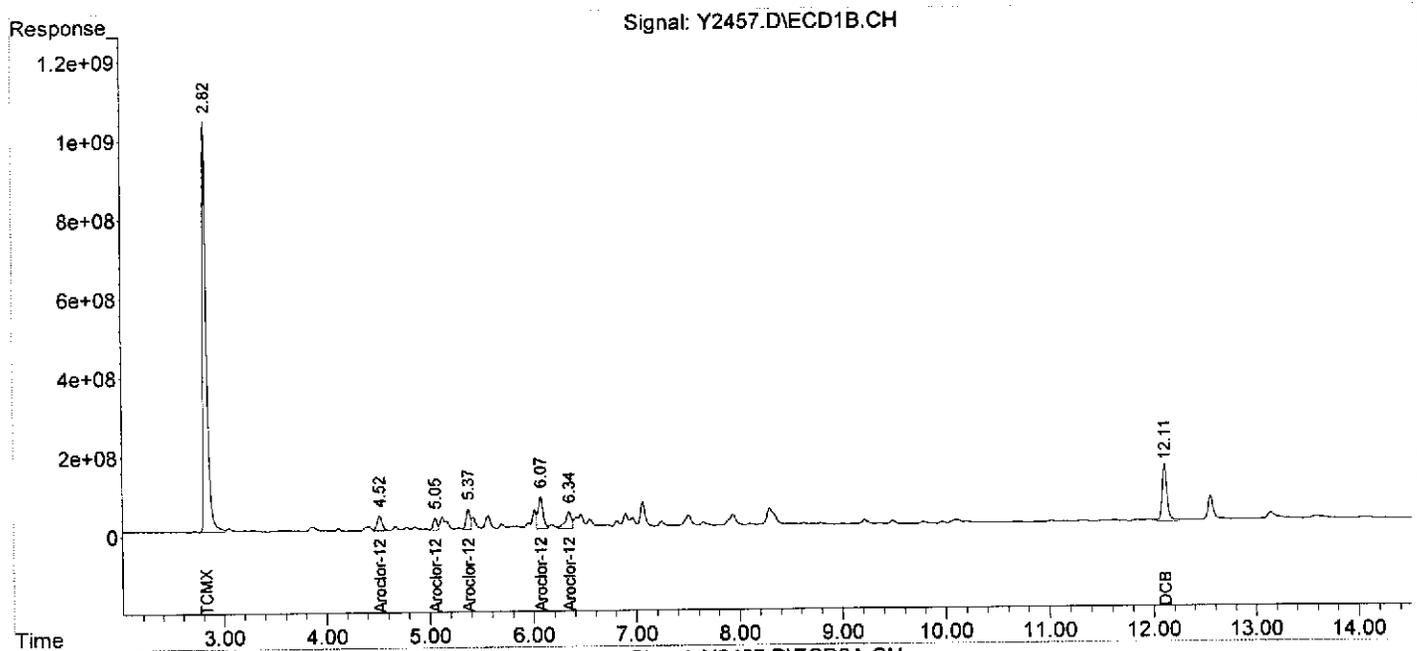
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	26029.2E6	7900.3E6	251.940	247.564
Spiked Amount	200.000		Recovery	=	125.97%	123.78%
2) S DCB	12.11	12.48	4896.1E6	1850.8E6	227.134	249.891m
Spiked Amount	200.000		Recovery	=	113.57%	124.95%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	1290.6E6	405.1E6	326.618	314.042
24) L6 Aroclor-1248 {2}	5.05	5.70	761.9E6	904.0E6	353.593	471.937 #
25) L6 Aroclor-1248 {3}	5.37	6.11	1458.8E6	698.0E6	503.043	514.199
26) L6 Aroclor-1248 {4}	6.07	6.26	2631.9E6	359.8E6	509.997	289.936 #
27) L6 Aroclor-1248 {5}	6.34	6.61	1704.9E6	215.4E6	493.279	318.471 #
Sum Aroclor-1248			7847.9E6	2582.3E6	2186.530	1908.585
Average Aroclor-1248					437.306	381.717
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2457.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 18:05
 Operator : YG
 Sample : BB-44_ (0-1,09988-001,S,5.19g,75.9,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:48:32 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2458.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 18:22
 Operator : YG
 Sample : BB-44_(1.0,09988-002,S,5.08g,87.4,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:49:29 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

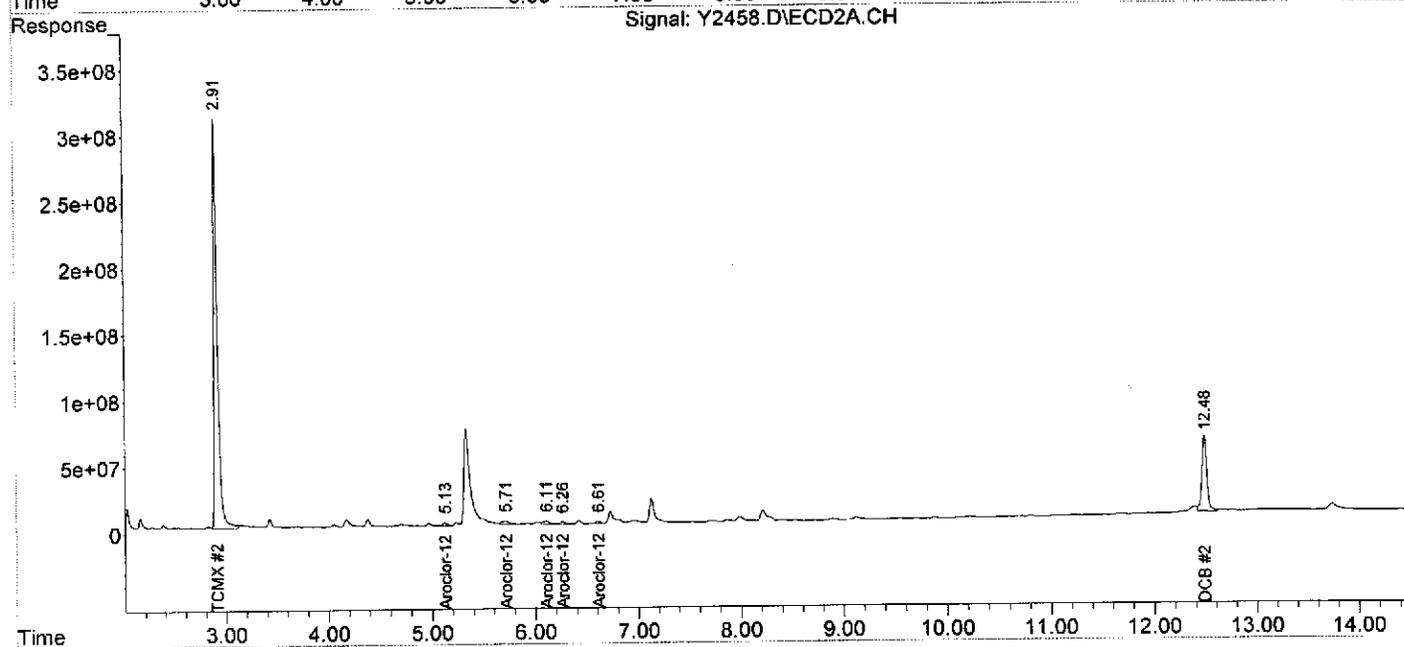
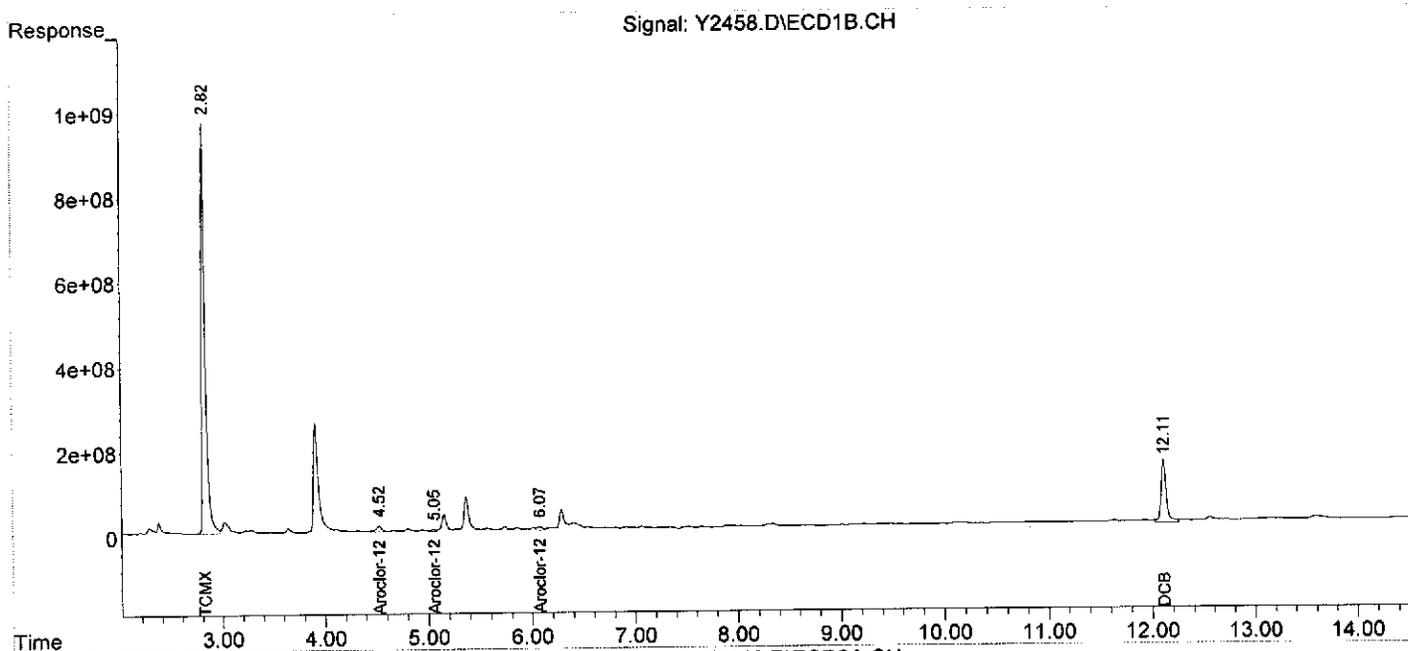
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	23623.2E6	7775.2E6	228.652	243.641
Spiked Amount	200.000		Recovery =		114.33%	121.82%
2) S DCB	12.11	12.48	5185.5E6	1924.1E6	240.561	259.795m
Spiked Amount	200.000		Recovery =		120.28%	129.90%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.53	5.13	535.1E6	76178930	135.423	59.057 #
24) L6 Aroclor-1248 {2}	5.05	5.71	142.8E6	116.8E6	66.255	60.971m
25) L6 Aroclor-1248 {3}	0.00	6.11	0	109.0E6	N.D. d	80.320 #
26) L6 Aroclor-1248 {4}	6.07	6.26	323.1E6	61476692	62.614	49.545
27) L6 Aroclor-1248 {5}	0.00	6.61	0	60465611	N.D. d	89.380 #
Sum Aroclor-1248			1001.0E6	423.9E6	264.292	339.273
Average Aroclor-1248					88.097	67.855
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2458.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 18:22
 Operator : YG
 Sample : BB-44_(1.0,09988-002,S,5.08g,87.4,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:49:29 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2459.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 18:39
 Operator : YG
 Sample : BB-44_(2.0,09988-003,S,5.52g,73.0,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:51:07 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

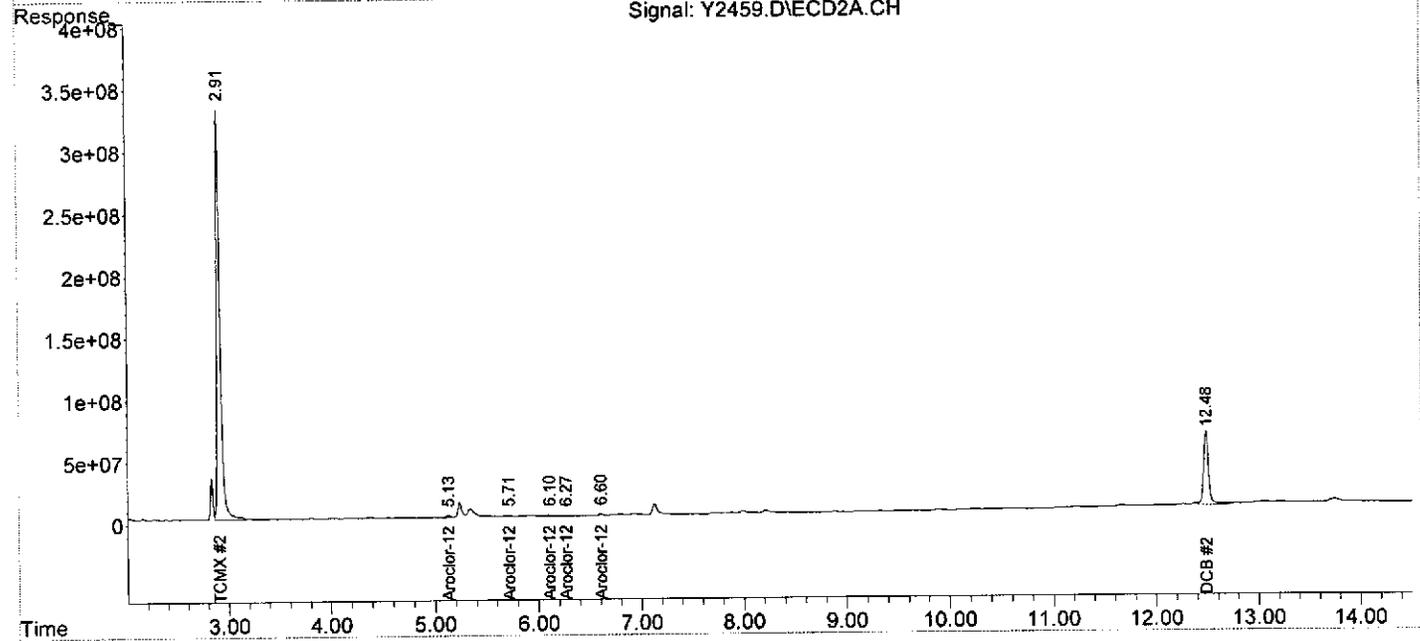
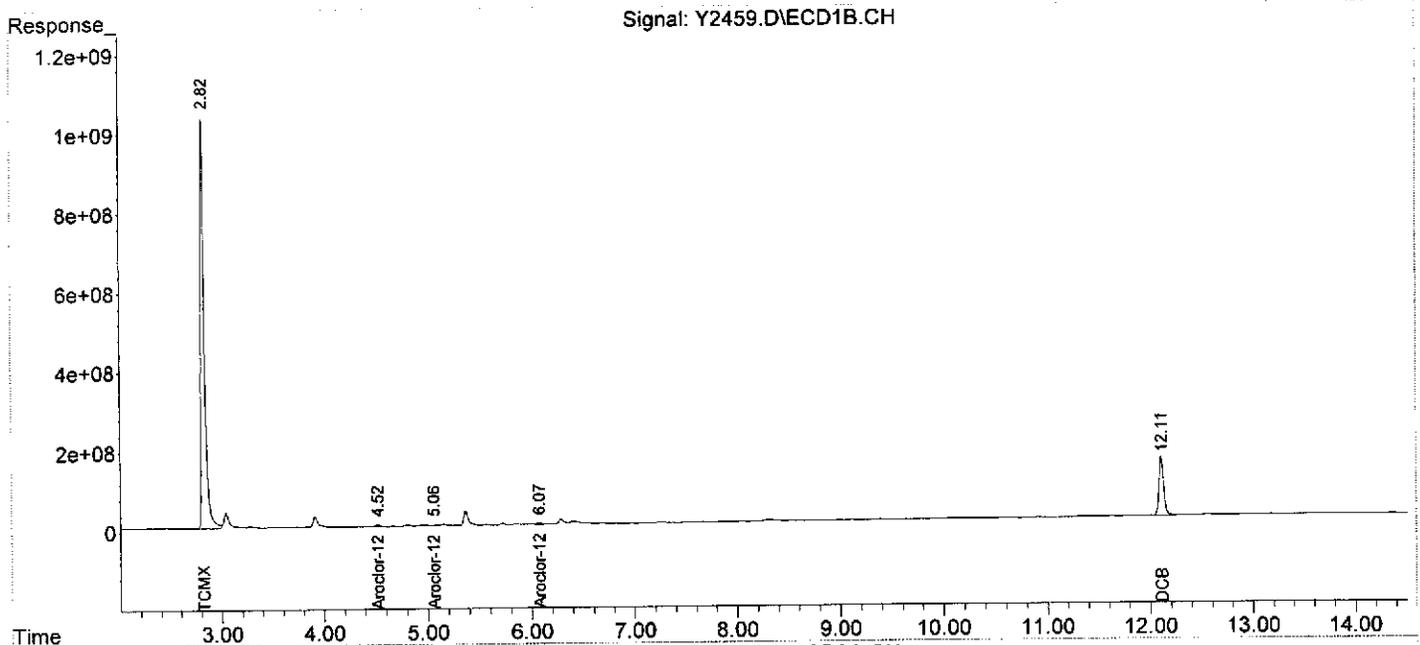
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	25885.3E6	8137.2E6	250.548	254.987
Spiked Amount	200.000		Recovery	=	125.27%	127.49%
2) S DCB	12.11	12.48	4669.3E6	2075.2E6	216.611m	280.200 #
Spiked Amount	200.000		Recovery	=	108.31%	140.10%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	169.1E6	40554001	42.785	31.439 #
24) L6 Aroclor-1248 {2}	5.06	5.71	44950789	42064376	20.862	21.960
25) L6 Aroclor-1248 {3}	0.00	6.11	0	35035527	N.D. d	25.811 #
26) L6 Aroclor-1248 {4}	6.07	6.26	110.0E6	19485342	21.319	15.703 #
27) L6 Aroclor-1248 {5}	0.00	6.60	0	42677749	N.D. d	63.086 #
Sum Aroclor-1248			324.0E6	179.8E6	84.967	157.999
Average Aroclor-1248					28.322	31.600
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2459.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 18:39
 Operator : YG
 Sample : BB-44_(2.0,09988-003,S,5.52g,73.0,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:51:07 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2460.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 18:56
 Operator : YG
 Sample : BB-44 (3.0,09988-004,S,5.56g,23.4,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:51:33 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

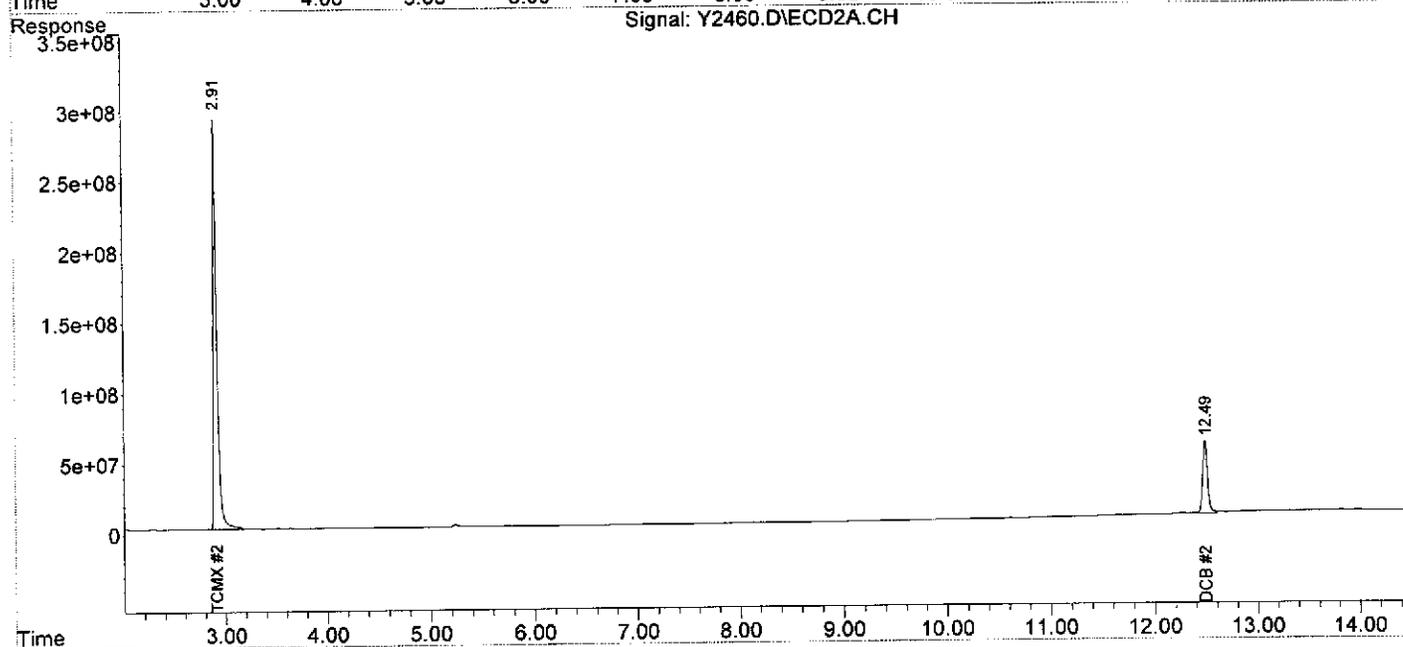
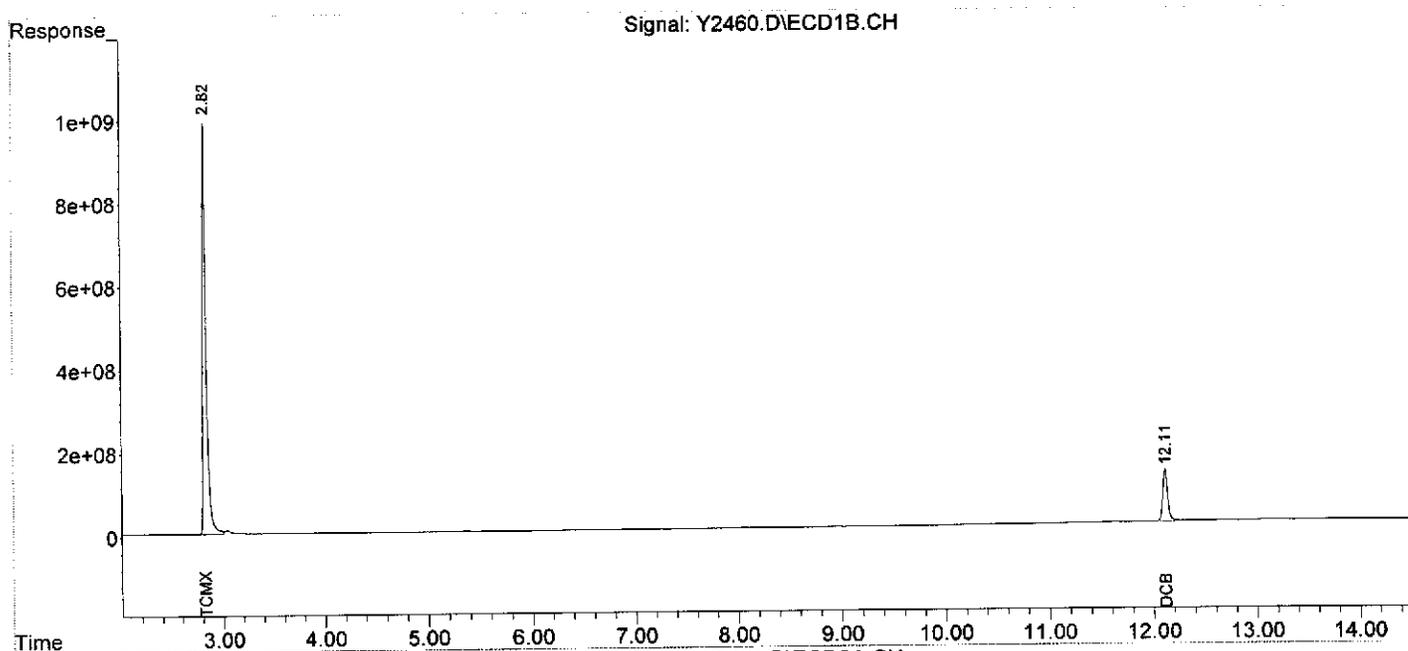
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	23976.5E6	7117.9E6	232.072	223.044
Spiked Amount	200.000		Recovery	=	116.04%	111.52%
2) S DCB	12.11	12.49	4179.1E6	1688.8E6	193.873	228.017m
Spiked Amount	200.000		Recovery	=	96.94%	114.01%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
Data File : Y2460.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2012 18:56
Operator : YG
Sample : BB-44 (3.0,09988-004,S,5.56g,23.4,10/11/12,4
Misc : 121011-03,10/02/12,10/02/12,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 16 14:51:33 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Fri Sep 28 17:16:12 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2505.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 10:00
 Operator : YG
 Sample : BB-43_(0-1,09988-005,S,5.94g,84.7,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,100
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 15:04:34 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

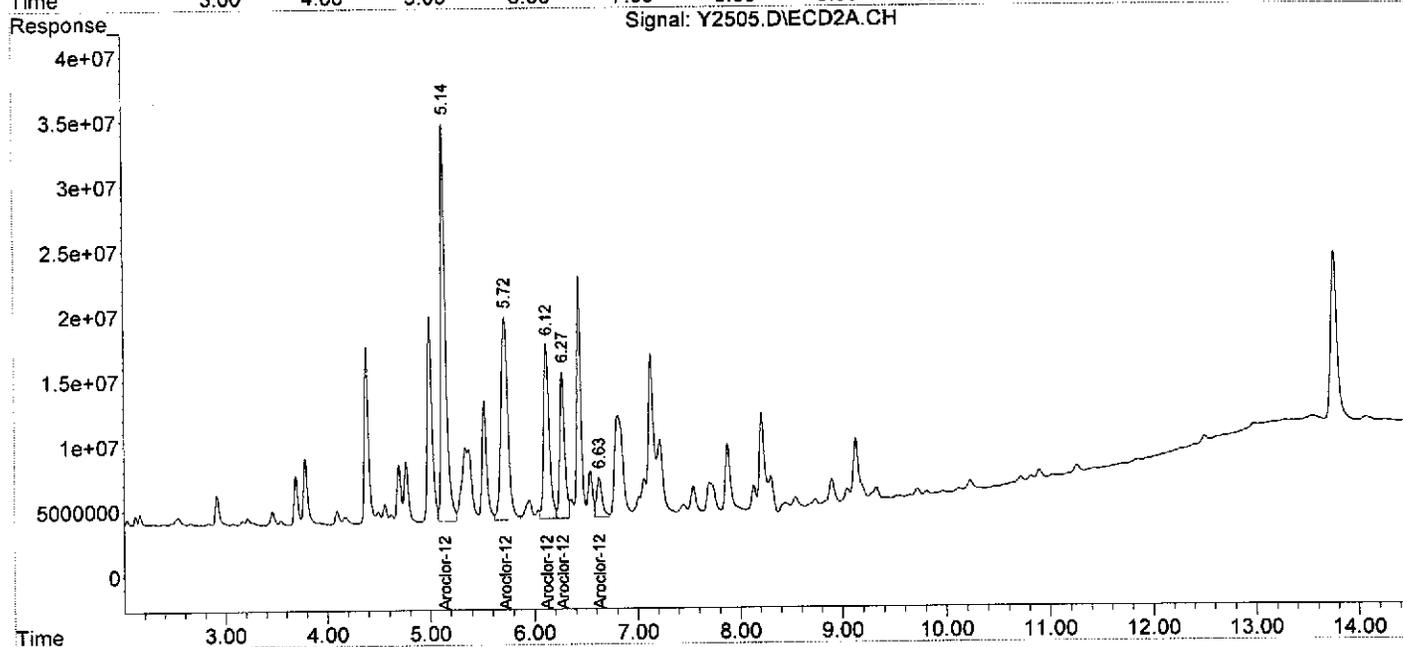
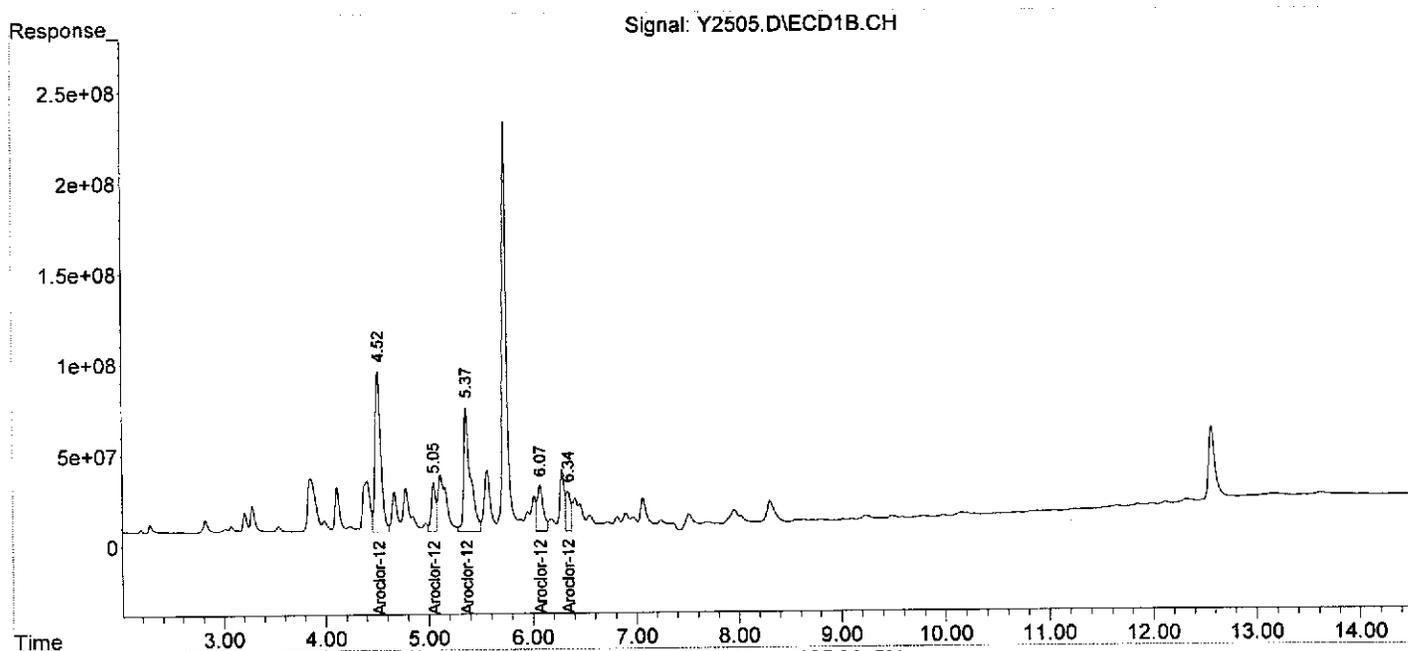
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.14	3399.7E6	963.3E6	860.398	746.818
24) L6 Aroclor-1248 {2}	5.05	5.72	780.0E6	723.4E6	361.983	377.627
25) L6 Aroclor-1248 {3}	5.37	6.12	3041.7E6	498.2E6	1048.929	367.064 #
26) L6 Aroclor-1248 {4}	6.07	6.27	1022.1E6	371.7E6	198.053	299.565 #
27) L6 Aroclor-1248 {5}	6.34	6.63	719.2E6	112.2E6	208.090	165.840
Sum Aroclor-1248			8962.7E6	2668.8E6	2677.453	1956.914
Average Aroclor-1248					535.491	391.383
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-16-12\
Data File : Y2505.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Oct 2012 10:00
Operator : YG
Sample : BB-43_(0-1,09988-005,S,5.94g,84.7,10/11/12,4
Misc : 121011-03,10/02/12,10/02/12,100
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 16 15:04:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Fri Sep 28 17:16:12 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2506.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 10:17
 Operator : YG
 Sample : BB-43 (1.0,09988-006,S,5.32g,71.7,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,500
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:00:44 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

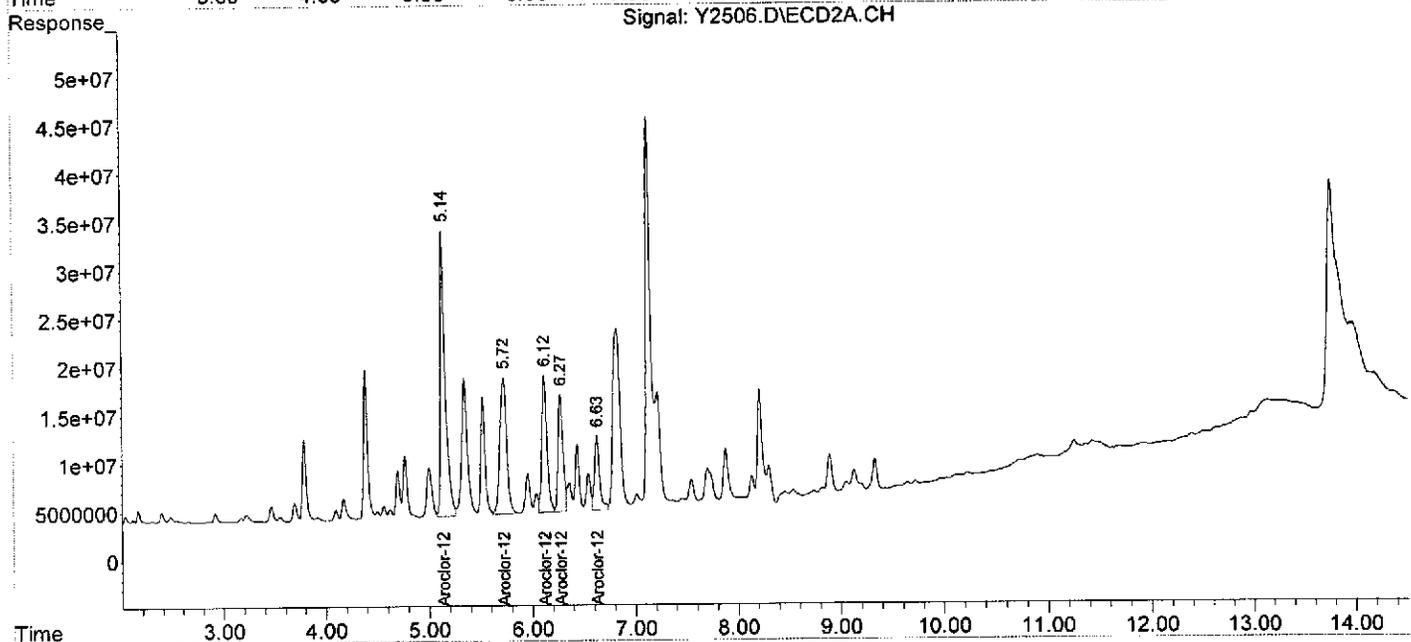
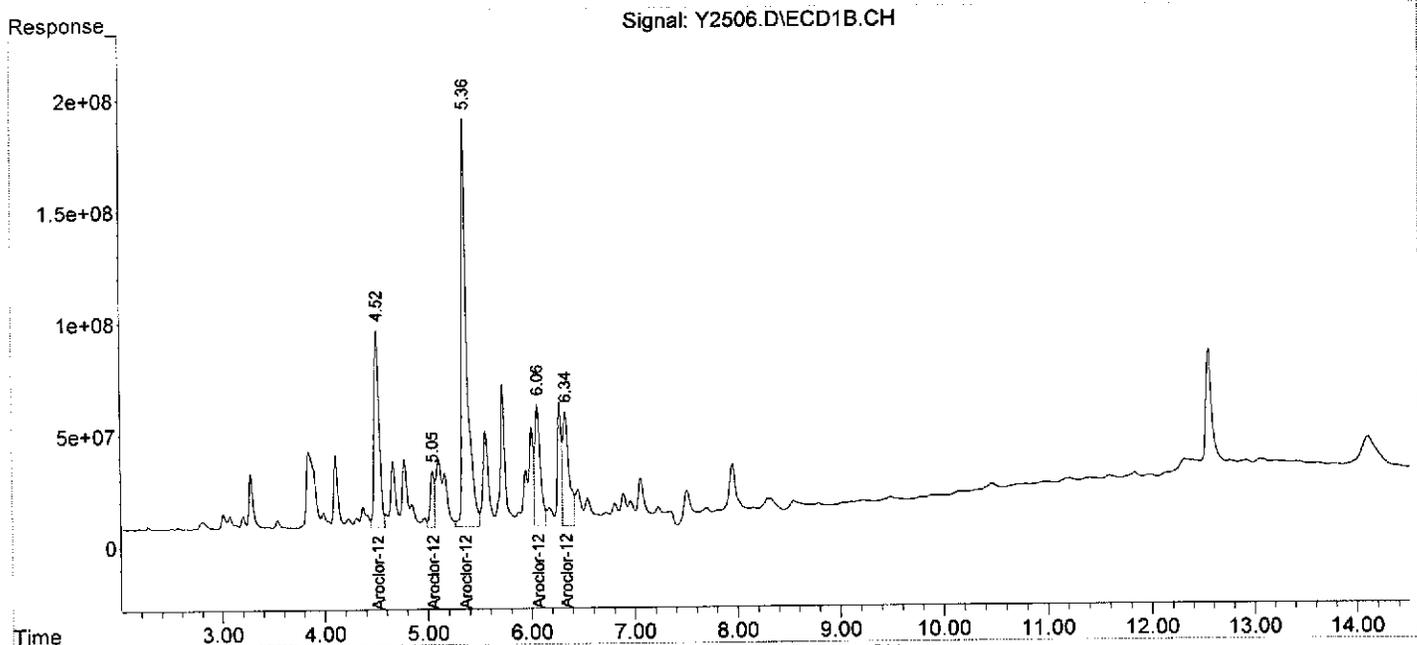
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.14	3045.5E6	977.6E6	770.741	757.868
24) L6 Aroclor-1248 {2}	5.05	5.72	659.1E6	642.1E6	305.873	335.234
25) L6 Aroclor-1248 {3}	5.36	6.12	6672.9E6	497.1E6	2301.127	366.194 #
26) L6 Aroclor-1248 {4}	6.06	6.27	1968.7E6	405.4E6	381.494	326.712
27) L6 Aroclor-1248 {5}	6.34	6.63	2147.4E6	260.4E6	621.337	384.890 #
Sum Aroclor-1248			14493.6E6	2782.6E6	4380.572	2170.898
Average Aroclor-1248					876.114	434.180
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-16-12\
Data File : Y2506.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Oct 2012 10:17
Operator : YG
Sample : BB-43 (1.0,09988-006,S,5.32g,71.7,10/11/12,4
Misc : 121011-03,10/02/12,10/02/12,500
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 16 16:00:44 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Fri Sep 28 17:16:12 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2507.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 10:34
 Operator : YG
 Sample : BB-43_(2.0,09988-007,S,5.38g,65.8,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,10
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:01:30 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

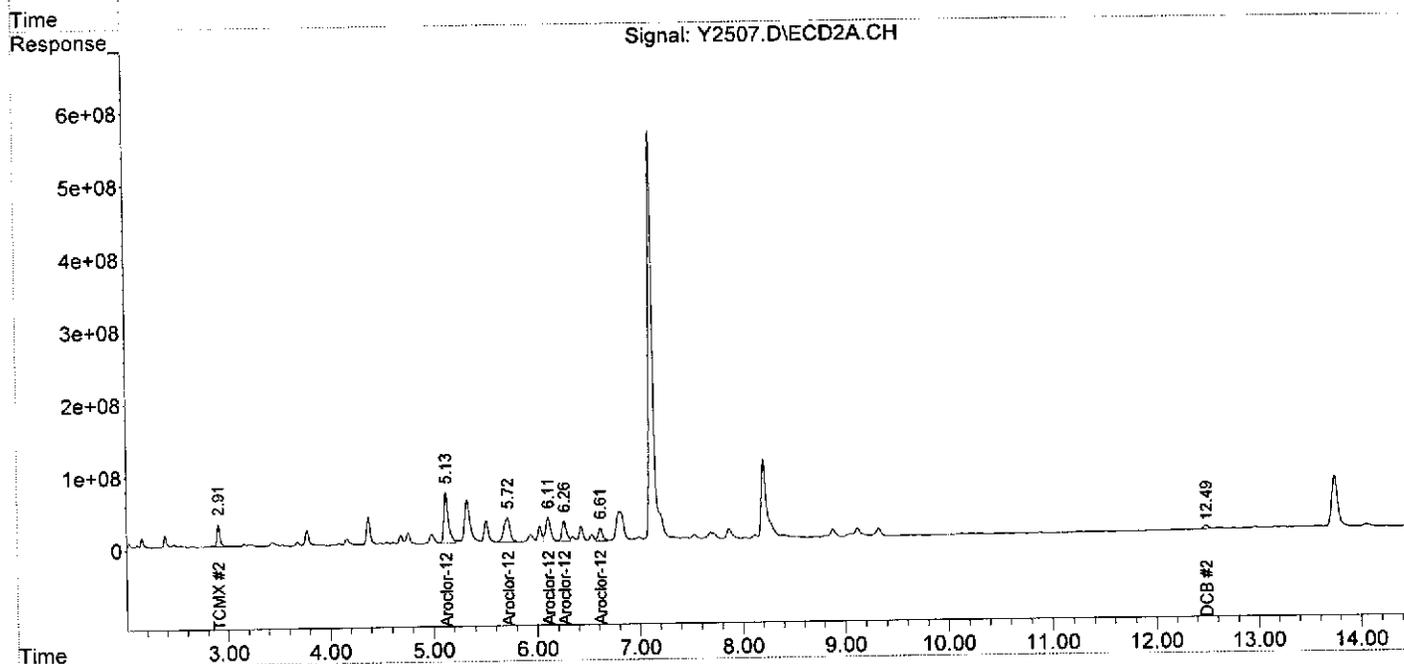
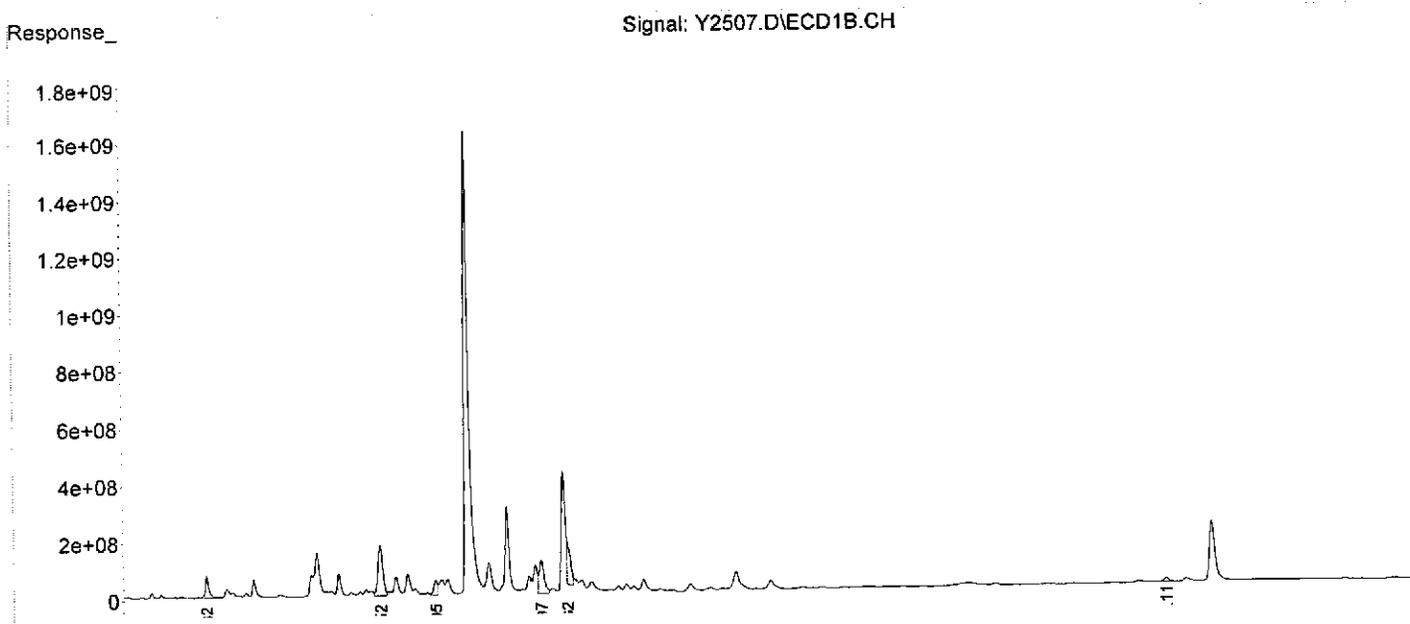
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	1826.6E6	694.9E6	17.680	21.774
Spiked Amount	200.000		Recovery	=	8.84%	10.89%
2) S DCB	12.11	12.49	430.1E6	167.8E6	19.954m	22.657m
Spiked Amount	200.000		Recovery	=	9.98%	11.33%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	5724.8E6	2071.1E6	1448.836	1605.611
24) L6 Aroclor-1248 {2}	5.05	5.72	1312.1E6	1463.0E6	608.947	763.761 #
25) L6 Aroclor-1248 {3}	0.00	6.11	0	1121.8E6	N.D. d	826.471 #
26) L6 Aroclor-1248 {4}	6.07	6.26	3899.0E6	860.1E6	755.532	693.148
27) L6 Aroclor-1248 {5}	6.32	6.61	3226.6E6	534.8E6	933.588m	790.572
Sum Aroclor-1248			14162.5E6	6050.8E6	3746.903	4679.563
Average Aroclor-1248					936.726	935.913
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2507.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 10:34
 Operator : YG
 Sample : BB-43_(2.0,09988-007,S,5.38g,65.8,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,10
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:01:30 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2464.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 20:05
 Operator : YG
 Sample : BB-43_(3.0,09988-008,S,5.03g,24.8,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:53:16 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

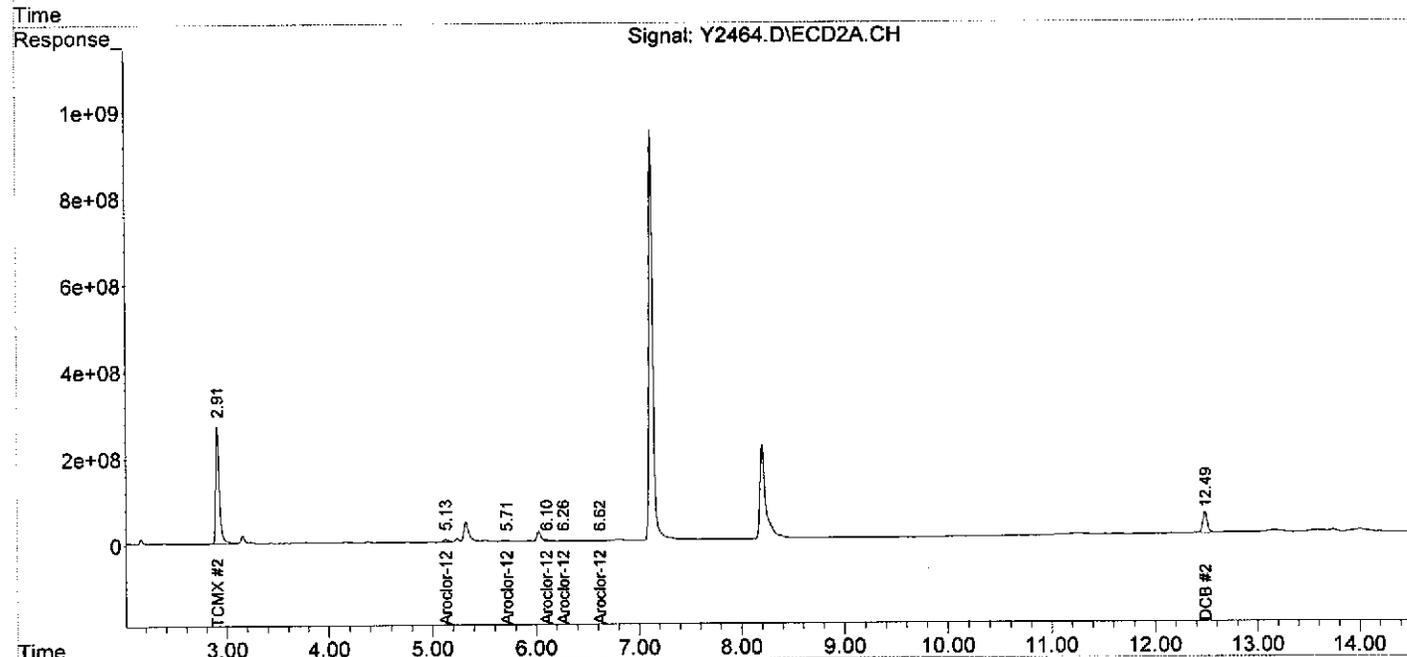
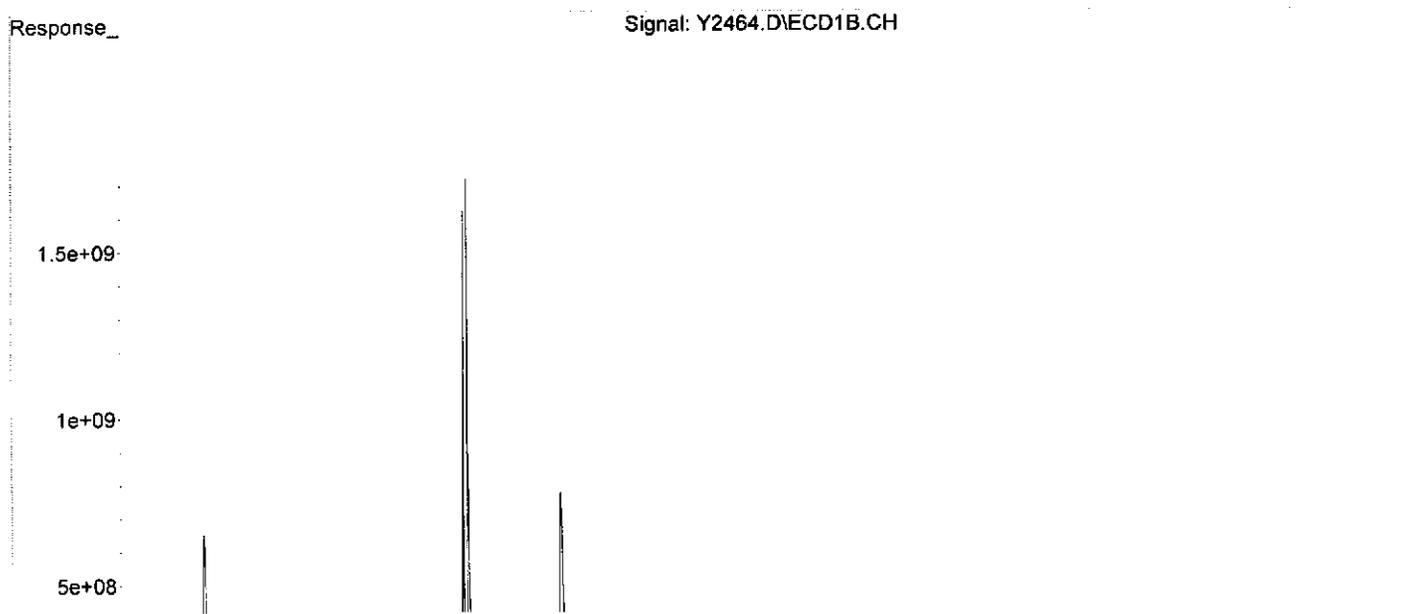
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	16353.4E6	6767.6E6	158.286	212.070 #
Spiked Amount	200.000		Recovery	=	79.14%	106.04%
2) S DCB	12.11	12.49	3296.2E6	1519.7E6	152.913m	205.195m#
Spiked Amount	200.000		Recovery	=	76.46%	102.60%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	619.0E6	187.1E6	156.645	145.078
24) L6 Aroclor-1248 {2}	5.06	5.71	111.2E6	146.0E6	51.606	76.231 #
25) L6 Aroclor-1248 {3}	0.00	6.10	0	124.8E6	N.D. d	91.928 #
26) L6 Aroclor-1248 {4}	6.07	6.26	834.4E6	83816882	161.690	67.549 #
27) L6 Aroclor-1248 {5}	0.00	6.62	0	42755651	N.D. d	63.201 #
Sum Aroclor-1248			1564.6E6	584.5E6	369.941	443.987
Average Aroclor-1248					123.314	88.797
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

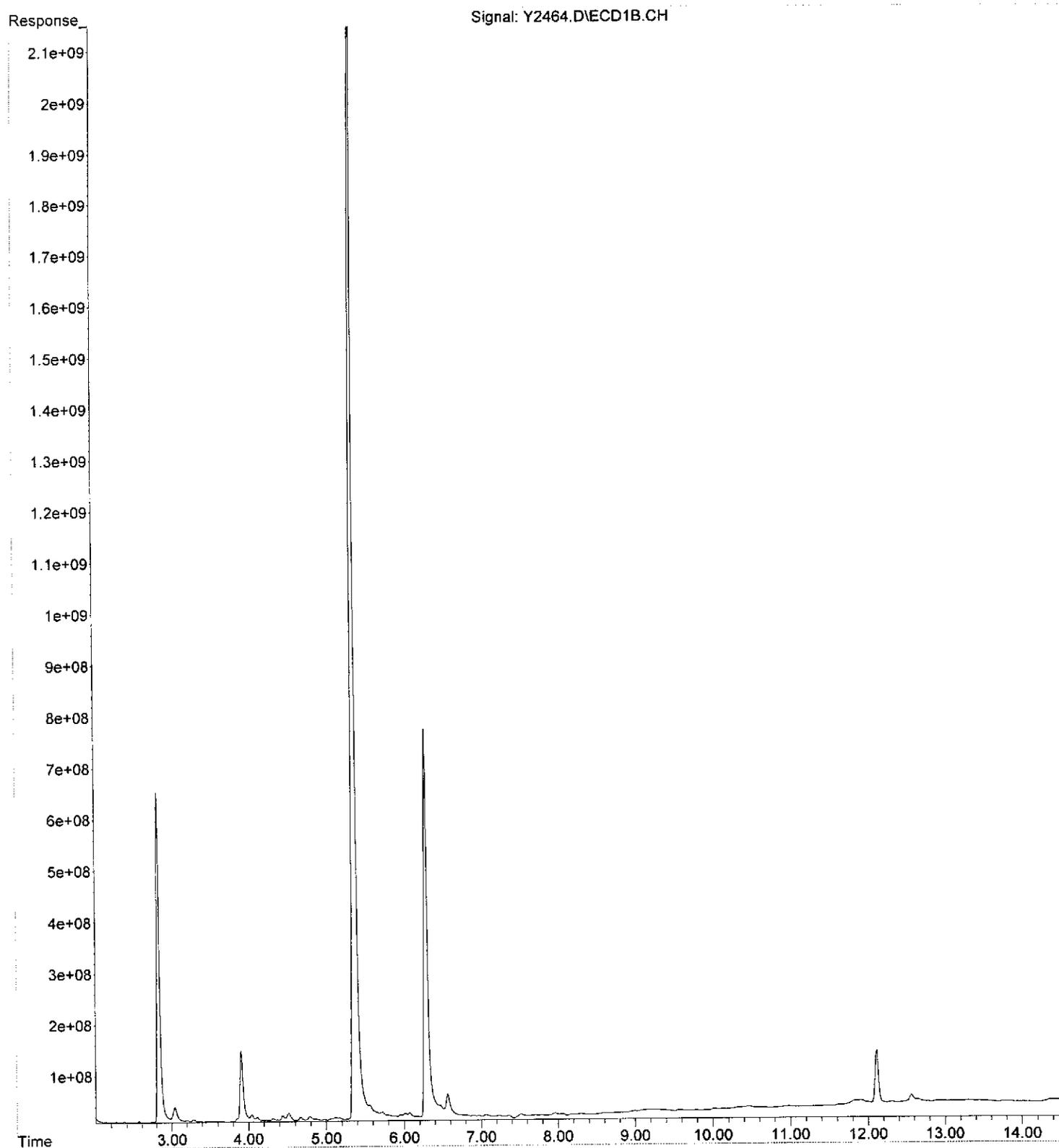
Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2464.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 20:05
 Operator : YG
 Sample : BB-43_(3.0,09988-008,S,5.03g,24.8,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:53:16 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File :C:\MSDChem\1\DATA\10-15-12\Y2464.D
Operator : YG
Acquired : 15 Oct 2012 20:05 using AcqMethod YPCB0928.M
Instrument : GC_Y
Sample Name: BB-43_(3.0,09988-008,S,5.03g,24.8,10/11/12,4
Misc Info : 121011-03,10/02/12,10/02/12,1
Vial Number: 12



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2465.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 20:22
 Operator : YG
 Sample : CC-43_(0-1,09988-009,S,5.45g,78.2,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:54:00 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

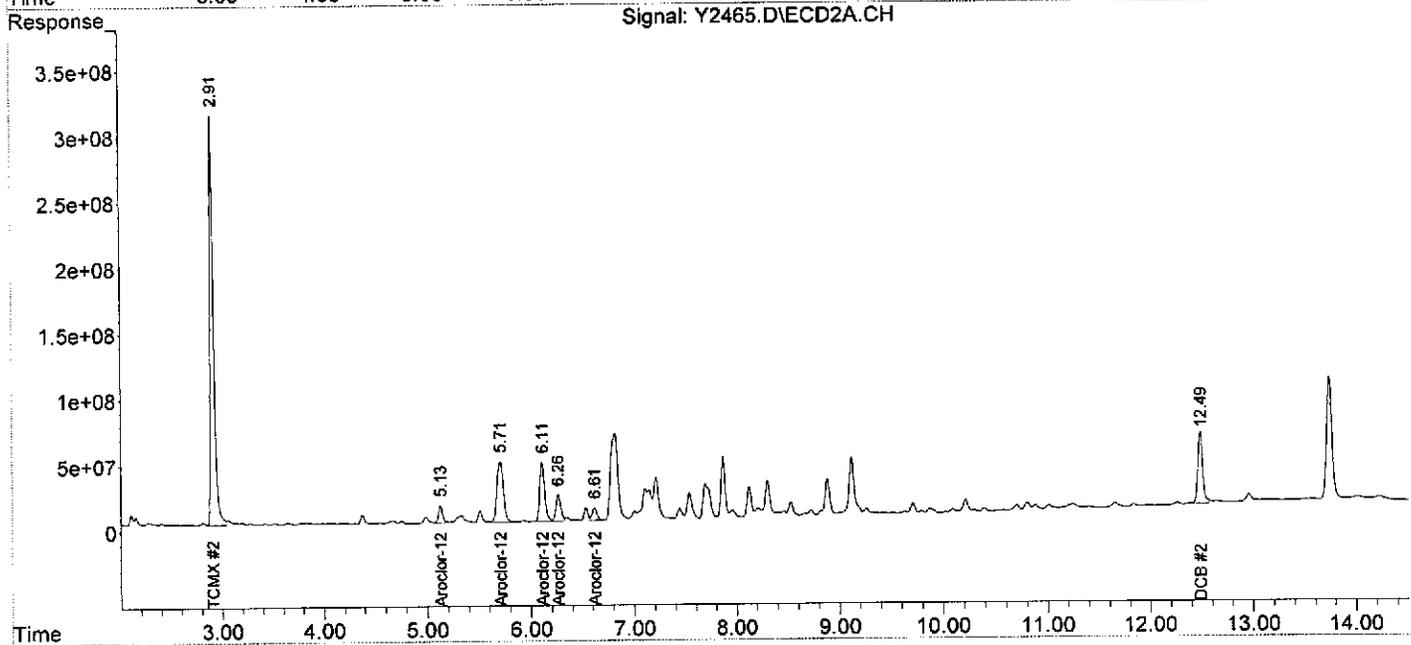
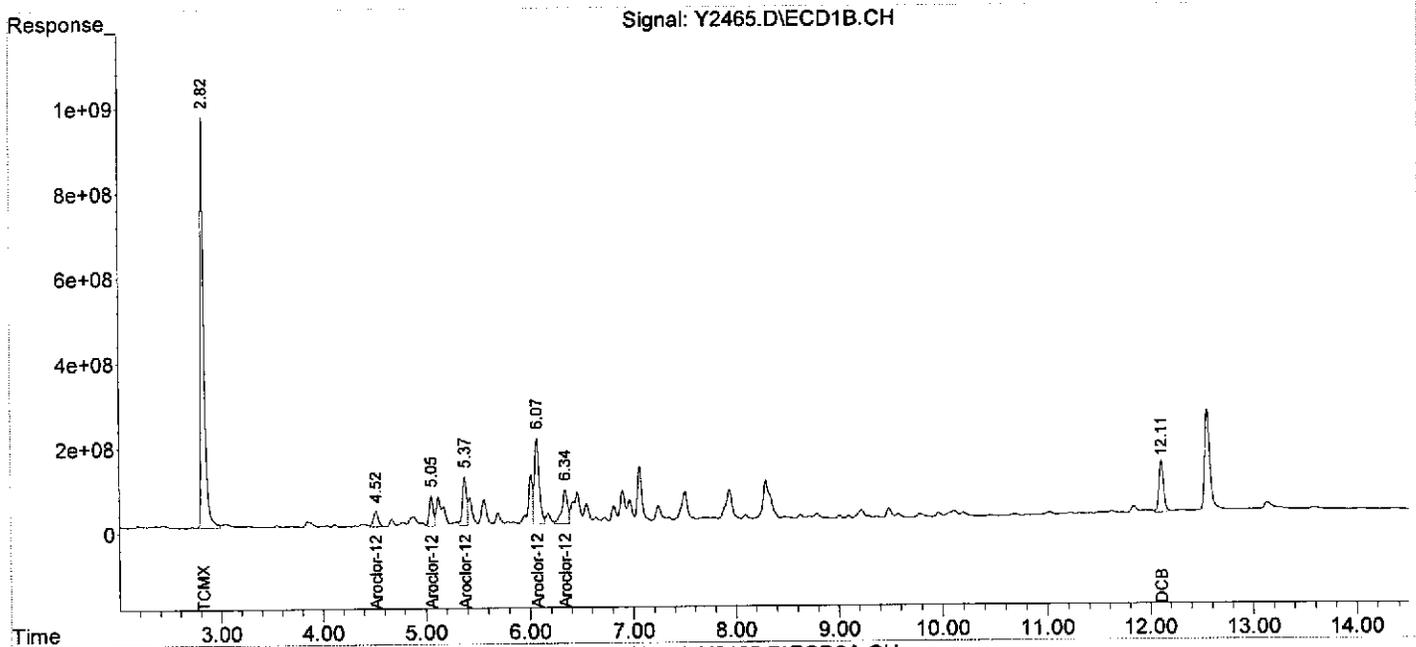
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	23271.7E6	7537.1E6	225.250	236.183
Spiked Amount	200.000		Recovery	=	112.63%	118.09%
2) S DCB	12.11	12.49	3836.6E6	1753.2E6	177.985m	236.722m#
Spiked Amount	200.000		Recovery	=	88.99%	118.36%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	1231.4E6	385.1E6	311.644	298.566
24) L6 Aroclor-1248 {2}	5.05	5.71	1771.8E6	1994.6E6	822.294	1041.258 #
25) L6 Aroclor-1248 {3}	5.37	6.11	3166.1E6	1493.4E6	1091.801	1100.191
26) L6 Aroclor-1248 {4}	6.07	6.26	6397.8E6	652.8E6	1239.744	526.083 #
27) L6 Aroclor-1248 {5}	6.34	6.61	3095.9E6	308.1E6	895.768	455.405 #
Sum Aroclor-1248			15663.0E6	4833.9E6	4361.251	3421.503
Average Aroclor-1248					872.250	684.301
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2465.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 20:22
 Operator : YG
 Sample : CC-43_(0-1,09988-009,S,5.45g,78.2,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:54:00 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2508.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 10:51
 Operator : YG
 Sample : CC-43_(1.0,09988-010,S,5.05g,80.9,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:02:49 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

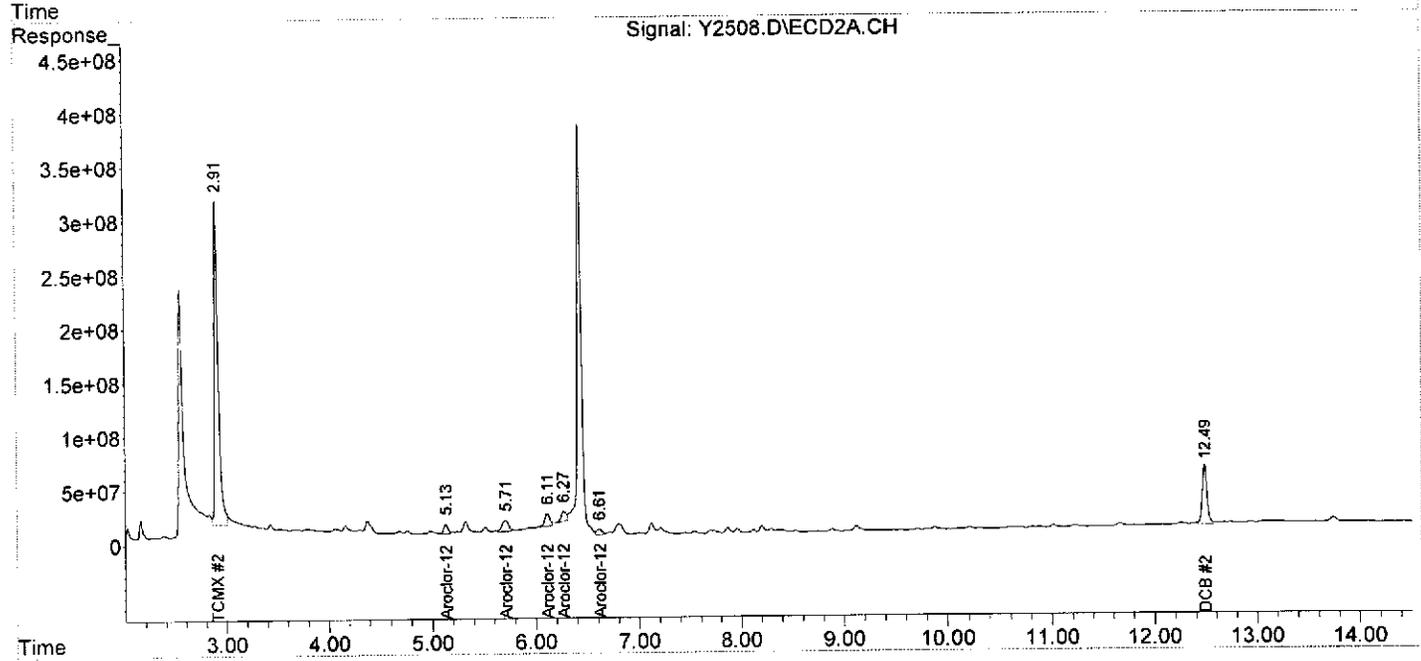
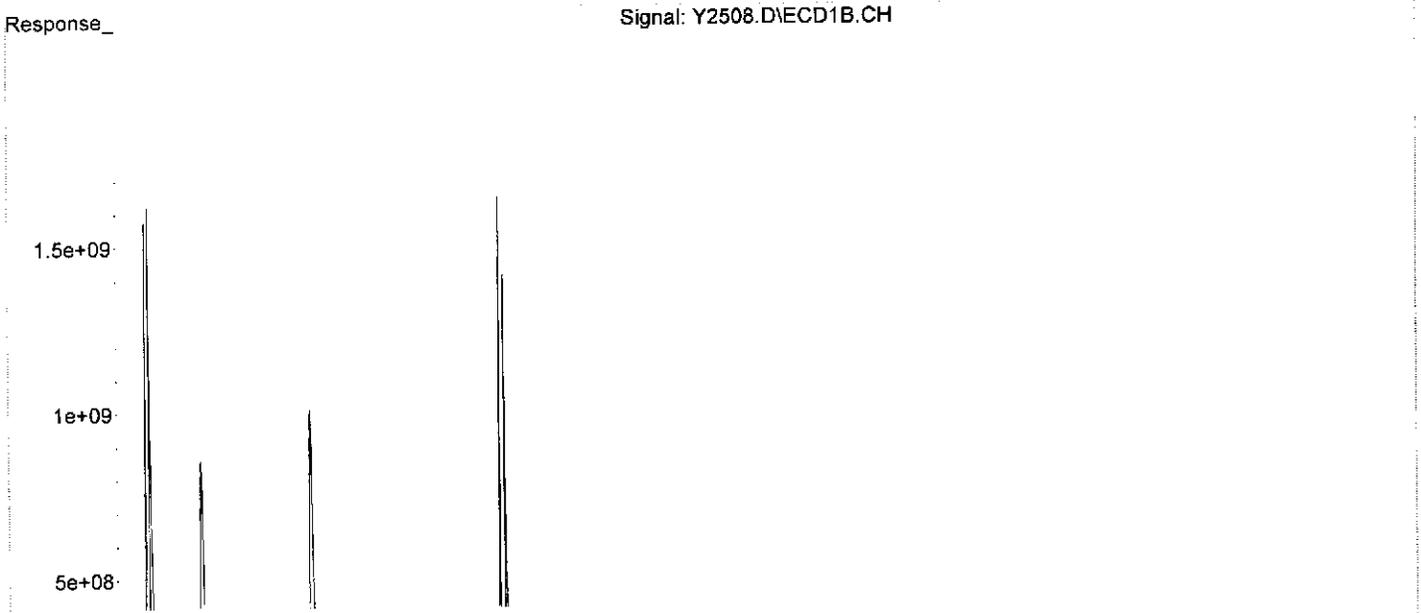
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	22564.6E6	7789.6E6	218.406	244.095m
Spiked Amount	200.000		Recovery	=	109.20%	122.05%
2) S DCB	12.11	12.49	4457.6E6	1824.2E6	206.790m	246.310m
Spiked Amount	200.000		Recovery	=	103.40%	123.15%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	957.7E6	259.9E6	242.366	201.503m
24) L6 Aroclor-1248	{2} 5.06	5.71	482.4E6	464.4E6	223.877	242.435m
25) L6 Aroclor-1248	{3} 5.37	6.11	1537.9E6	424.5E6	530.350m	312.709m#
26) L6 Aroclor-1248	{4} 6.07	6.27	1329.3E6	329.5E6	257.593	265.570m
27) L6 Aroclor-1248	{5} 6.34	6.61	777.7E6	189.4E6	225.021	279.976
Sum Aroclor-1248			5085.0E6	1667.7E6	1479.207	1302.192
Average Aroclor-1248					295.841	260.438
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

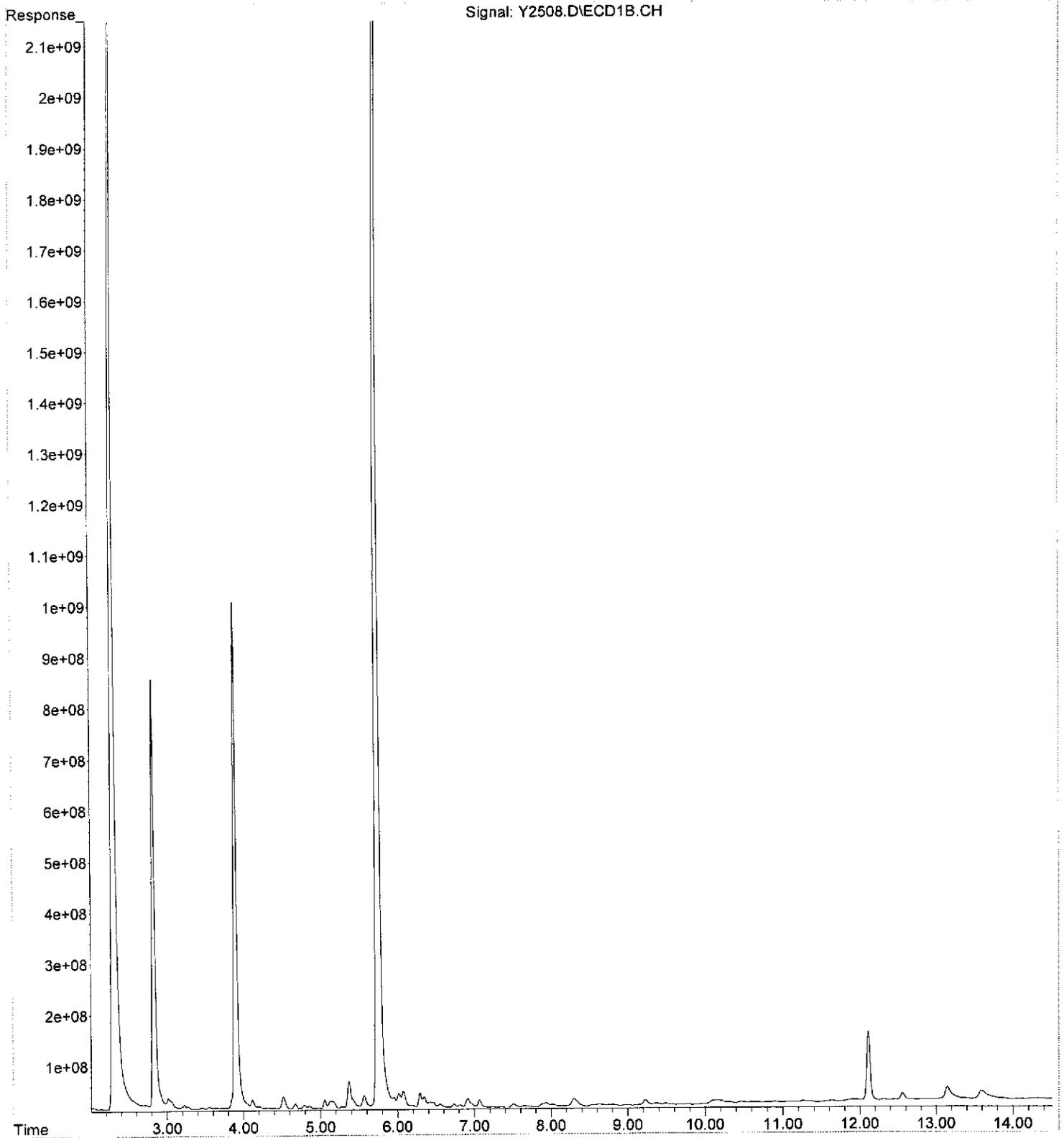
Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2508.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 10:51
 Operator : YG
 Sample : CC-43_(1.0,09988-010,S,5.05g,80.9,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:02:49 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File : C:\MSDCHEM\1\DATA\10-16-12\Y2508.D
Operator : YG
Acquired : 16 Oct 2012 10:51 using AcqMethod YPCB0928.M
Instrument : GC_Y
Sample Name: CC-43 (1.0, 09988-010, S, 5.05g, 80.9, 10/11/12, 4
Misc Info : 121011-03, 10/02/12, 10/02/12, 1
Vial Number: 5



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2467.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 20:56
 Operator : YG
 Sample : CC-43 (2.0,09988-011,S,5.49g,73.7,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:54:32 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

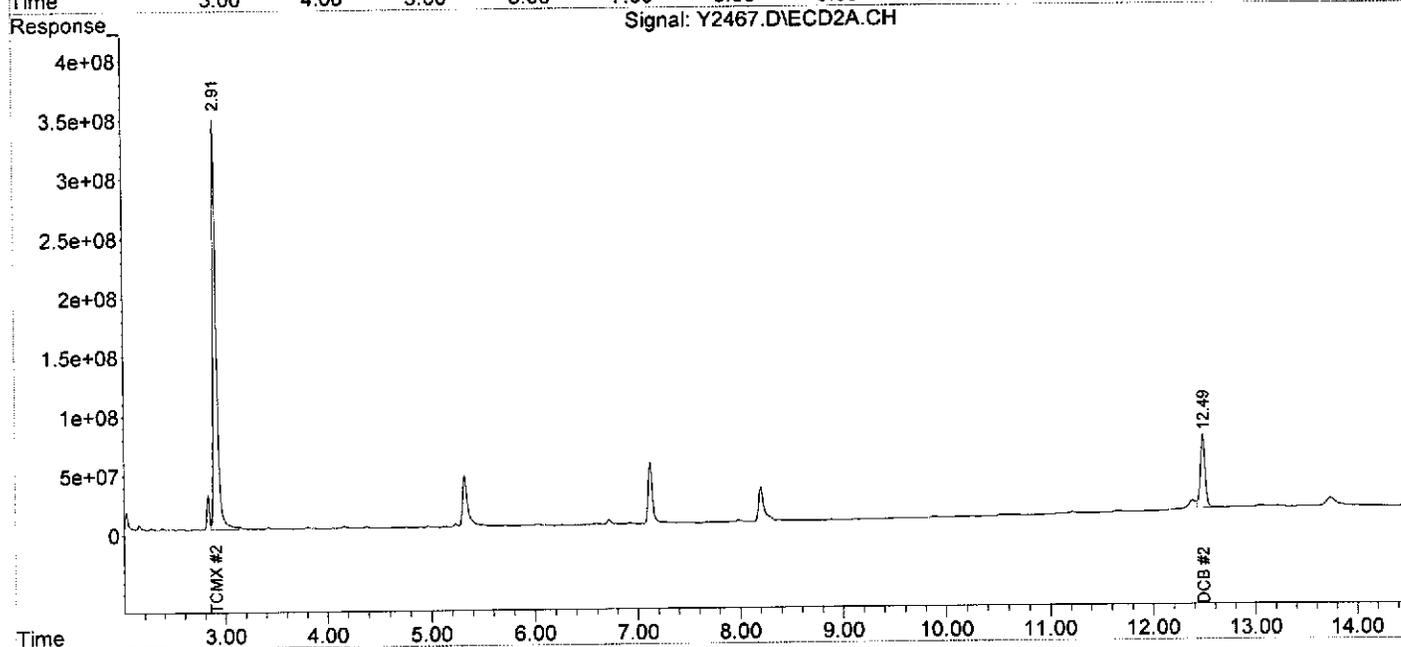
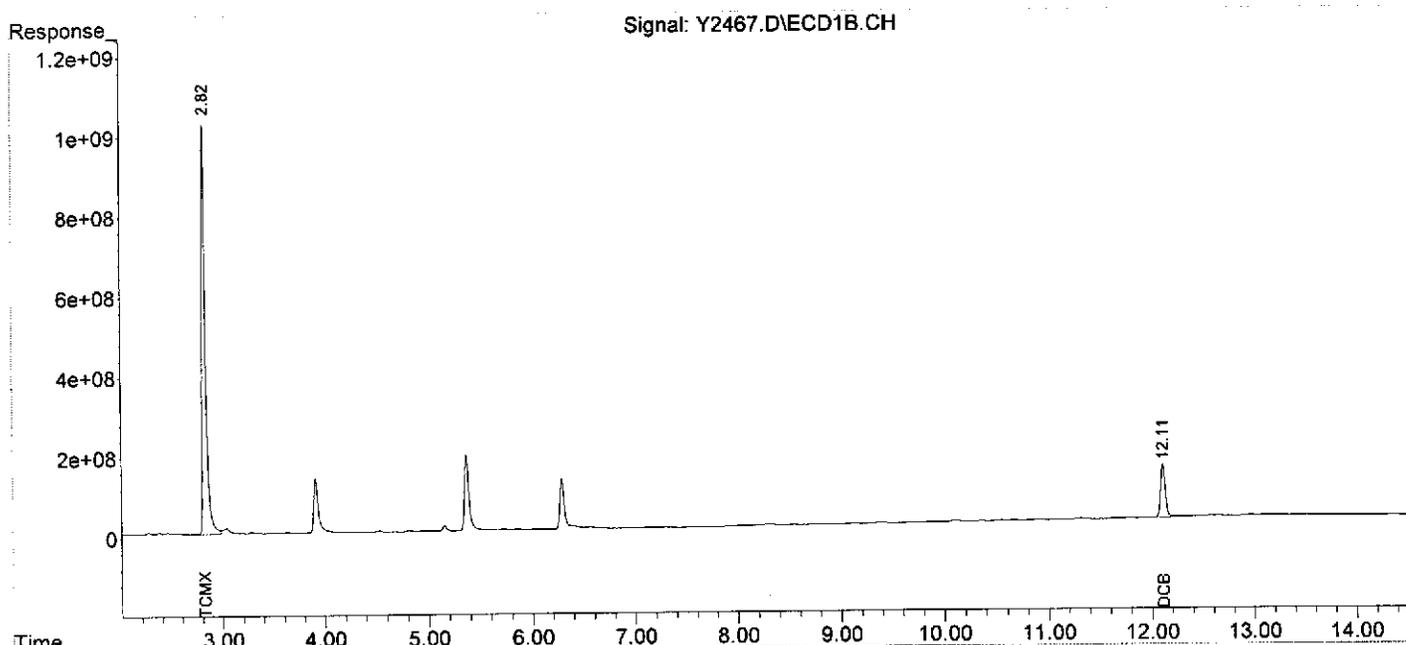
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	25214.4E6	8457.4E6	244.053	265.022
Spiked Amount	200.000		Recovery	=	122.03%	132.51%
2) S DCB	12.11	12.49	4209.3E6	1981.4E6	195.271m	267.529m#
Spiked Amount	200.000		Recovery	=	97.64%	133.76%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
Data File : Y2467.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2012 20:56
Operator : YG
Sample : CC-43_(2.0,09988-011,S,5.49g,73.7,10/11/12,4
Misc : 121011-03,10/02/12,10/02/12,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 16 14:54:32 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Fri Sep 28 17:16:12 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2468.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 21:14
 Operator : YG
 Sample : CC-43 (3.0,09988-012,S,5.58g,22.4,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:55:57 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

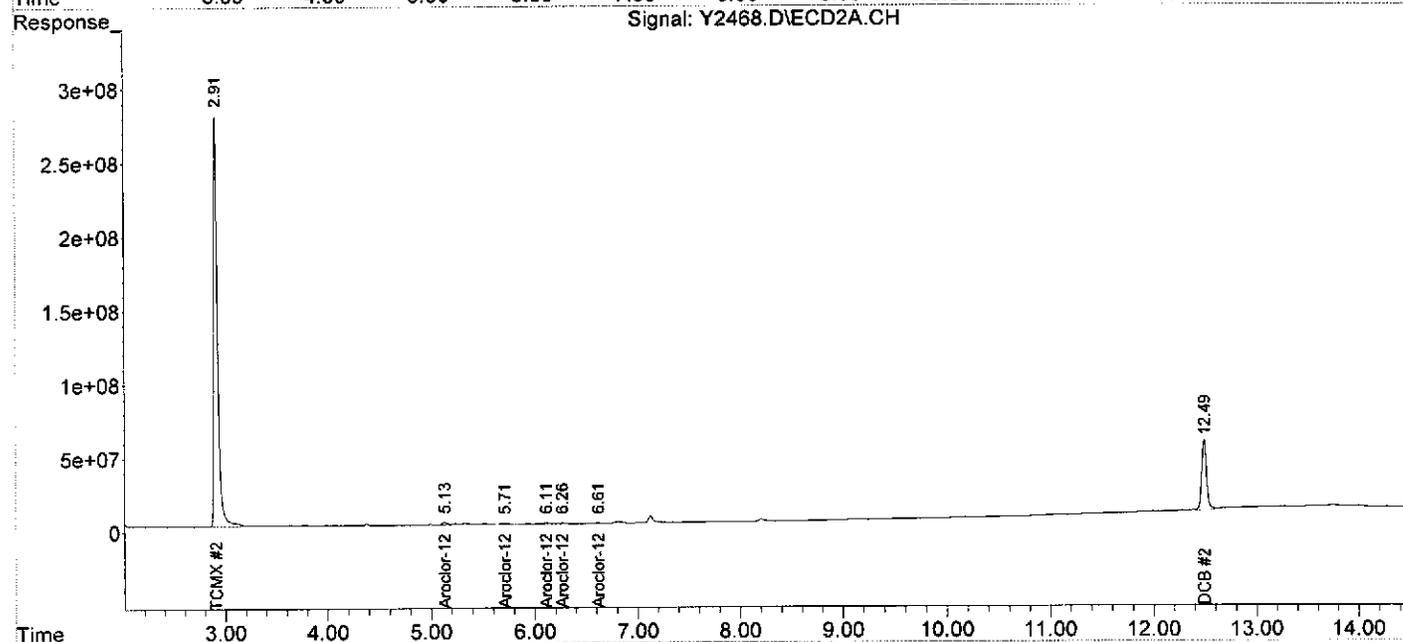
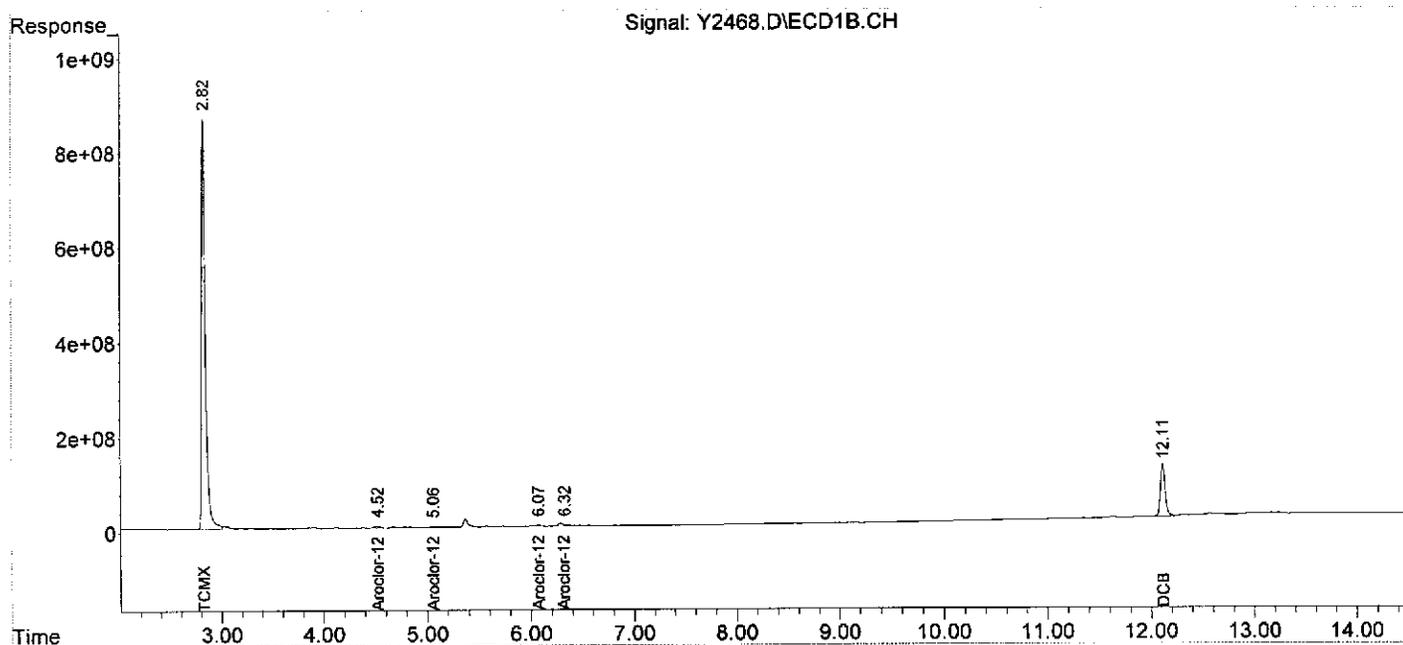
System Monitoring Compounds						
1) S TCMX	2.82	2.91	22768.7E6	7138.7E6	220.381	223.697
Spiked Amount	200.000		Recovery	=	110.19%	111.85%
2) S DCB	12.11	12.49	3569.3E6	1538.1E6	165.582m	207.672m#
Spiked Amount	200.000		Recovery	=	82.79%	103.84%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	163.2E6	52457499	41.304	40.667
24) L6 Aroclor-1248 {2}	5.06	5.71	41233306	36584234	19.137	19.099
25) L6 Aroclor-1248 {3}	0.00	6.11	0	27831309	N.D. d	20.504 #
26) L6 Aroclor-1248 {4}	6.07	6.26	43402190	20086422	8.410m	16.188 #
27) L6 Aroclor-1248 {5}	6.32	6.61	42132480	12737633	12.190m	18.829 #
Sum Aroclor-1248			290.0E6	149.7E6	81.042	115.286
Average Aroclor-1248					20.260	23.057
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
Data File : Y2468.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2012 21:14
Operator : YG
Sample : CC-43_(3.0,09988-012,S,5.58g,22.4,10/11/12,4
Misc : 121011-03,10/02/12,10/02/12,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 16 14:55:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Fri Sep 28 17:16:12 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2469.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 21:31
 Operator : YG
 Sample : DD-41_(0-1,09988-013,S,5.74g,83.6,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:57:14 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

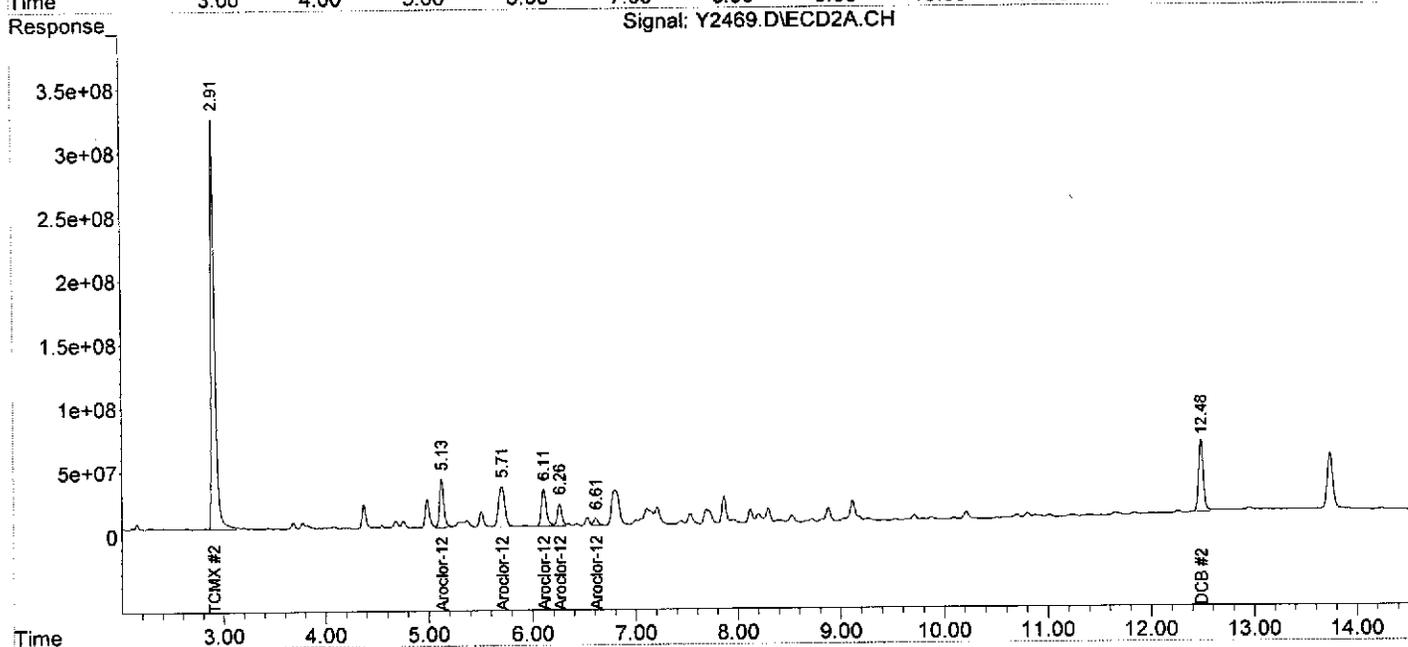
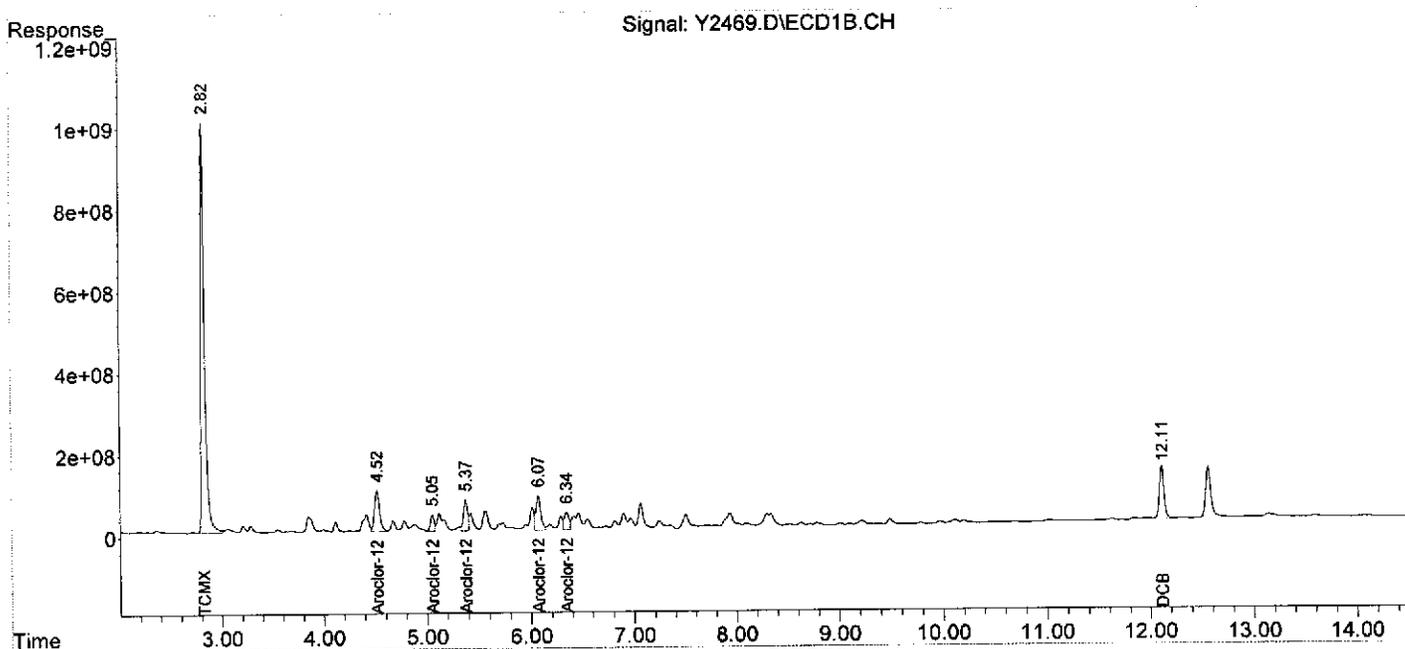
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	25064.6E6	7996.9E6	242.604	250.589
Spiked Amount	200.000		Recovery	=	121.30%	125.29%
2) S DCB	12.11	12.48	4063.7E6	1782.7E6	188.519m	240.701m#
Spiked Amount	200.000		Recovery	=	94.26%	120.35%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	3505.0E6	1092.7E6	887.031	847.093
24) L6 Aroclor-1248 {2}	5.05	5.71	982.5E6	1344.0E6	455.999	701.659 #
25) L6 Aroclor-1248 {3}	5.37	6.11	2095.3E6	975.5E6	722.564	718.676
26) L6 Aroclor-1248 {4}	6.07	6.26	2707.3E6	530.4E6	524.611	427.437
27) L6 Aroclor-1248 {5}	6.34	6.61	1402.8E6	176.6E6	405.895	261.057 #
Sum Aroclor-1248			10693.0E6	4119.2E6	2996.100	2955.922
Average Aroclor-1248					599.220	591.184
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2469.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 21:31
 Operator : YG
 Sample : DD-41 (0-1,09988-013,S,5.74g,83.6,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:57:14 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2509.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 11:08
 Operator : YG
 Sample : DD-41_ (1.0,09988-014,S,5.75g,83.4,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,100
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:03:18 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

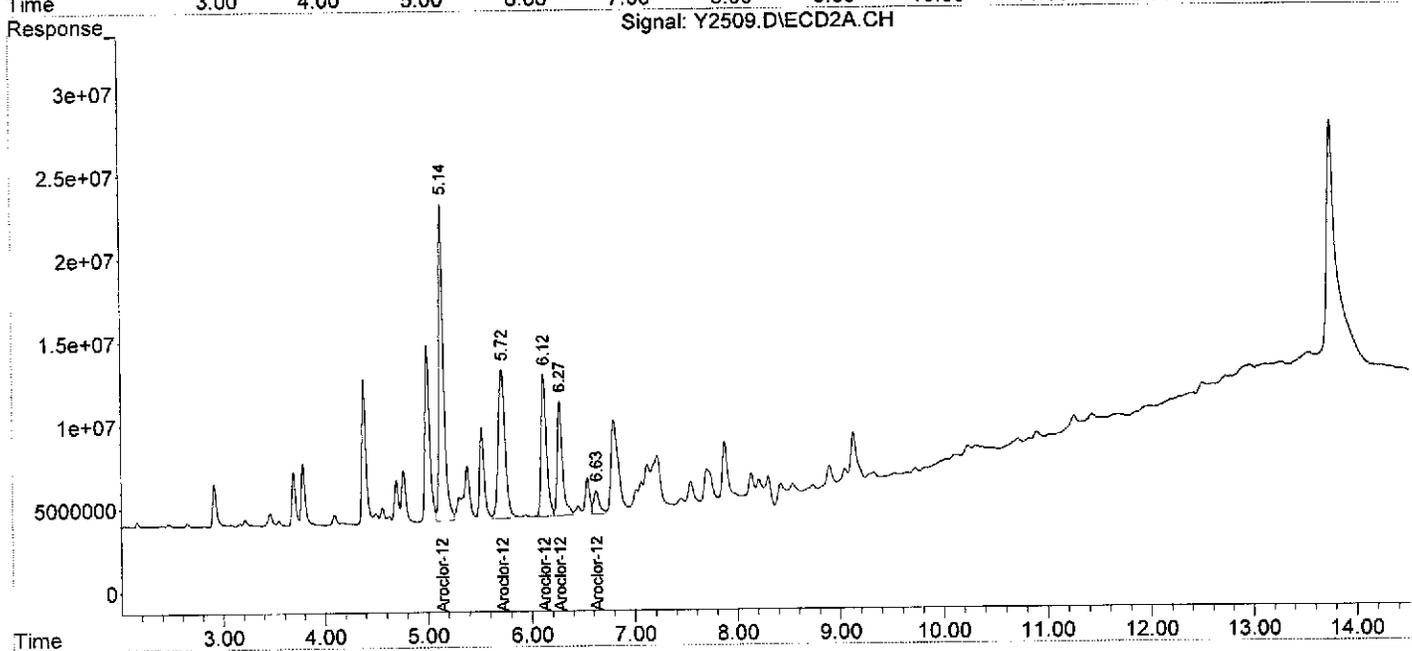
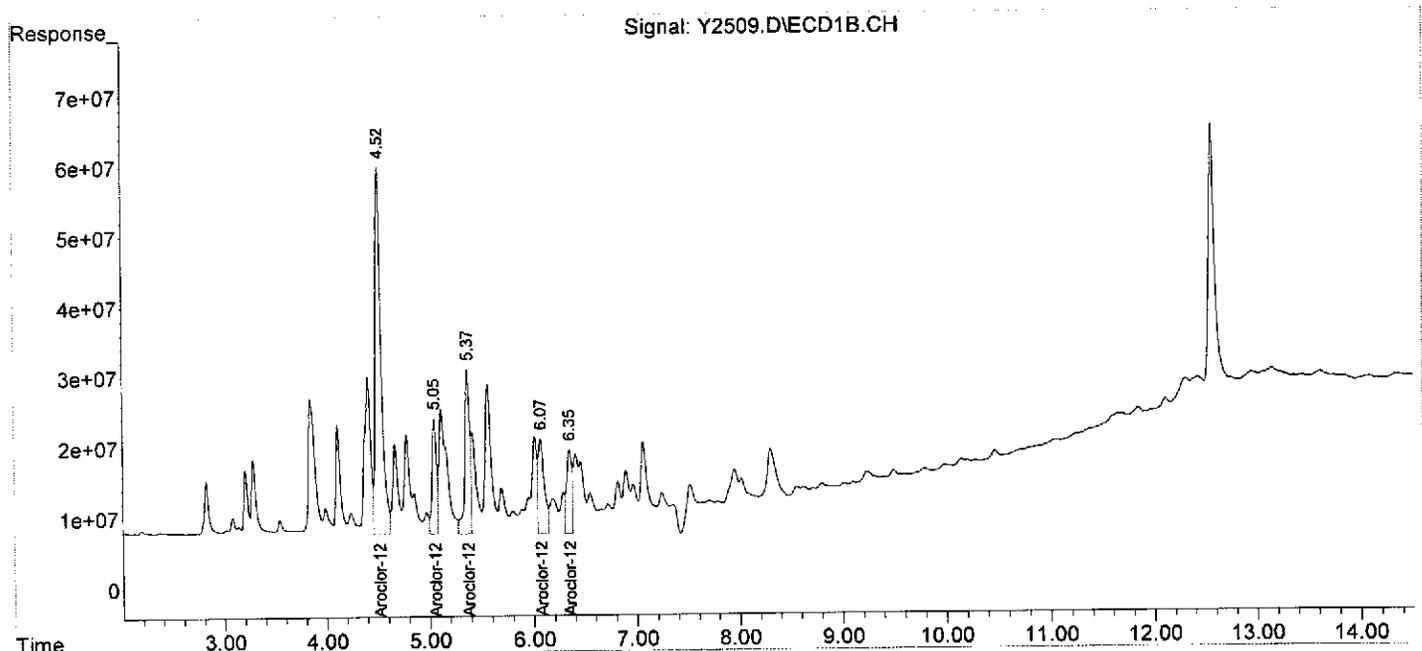
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.14	2079.6E6	608.7E6	526.312	471.916
24) L6 Aroclor-1248 {2}	5.05	5.72	479.3E6	408.6E6	222.461	213.319
25) L6 Aroclor-1248 {3}	5.37	6.12	783.0E6	307.4E6	269.997	226.447
26) L6 Aroclor-1248 {4}	6.07	6.27	540.8E6	241.9E6	104.799	194.969 #
27) L6 Aroclor-1248 {5}	6.35	6.63	432.1E6	53167503	125.030	78.592 #
Sum Aroclor-1248			4314.9E6	1619.8E6	1248.599	1185.243
Average Aroclor-1248					249.720	237.049
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2509.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 11:08
 Operator : YG
 Sample : DD-41_(1.0,09988-014,S,5.75g,83.4,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,100
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:03:18 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2471.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 22:05
 Operator : YG
 Sample : DD-41_(2.0,09988-015,S,5.44g,87.0,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:57:59 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

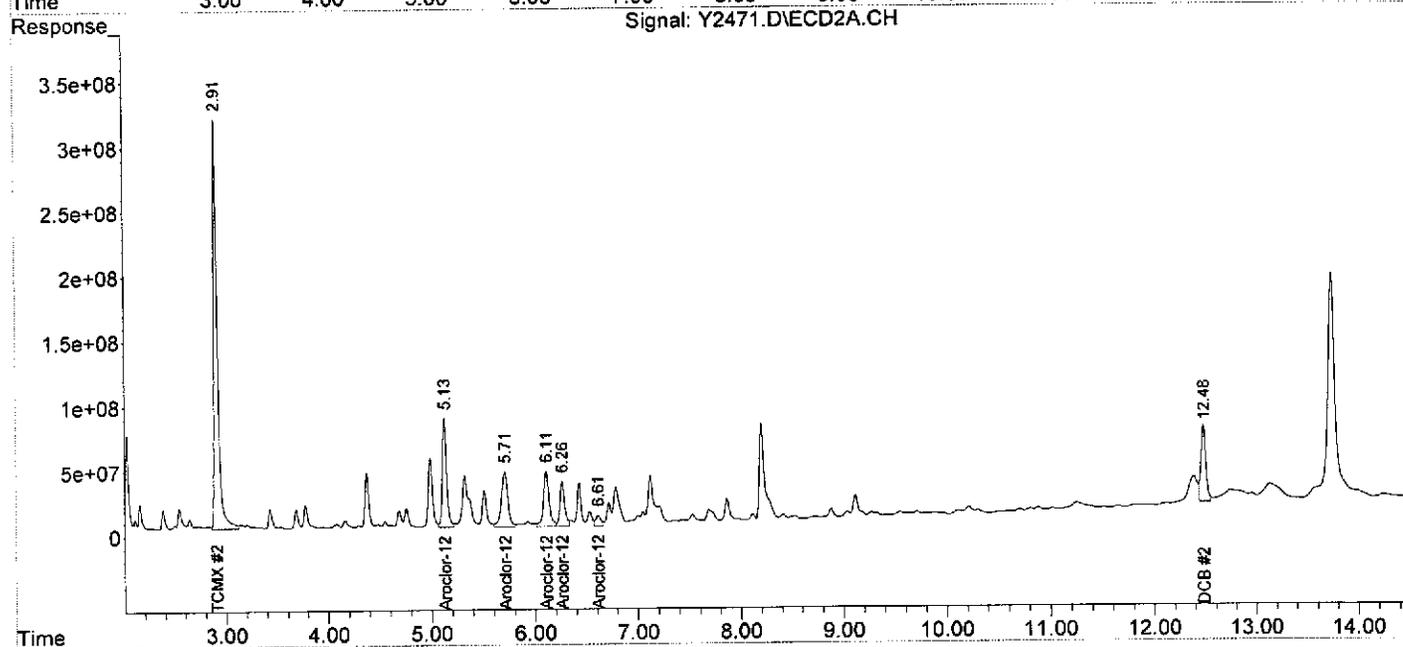
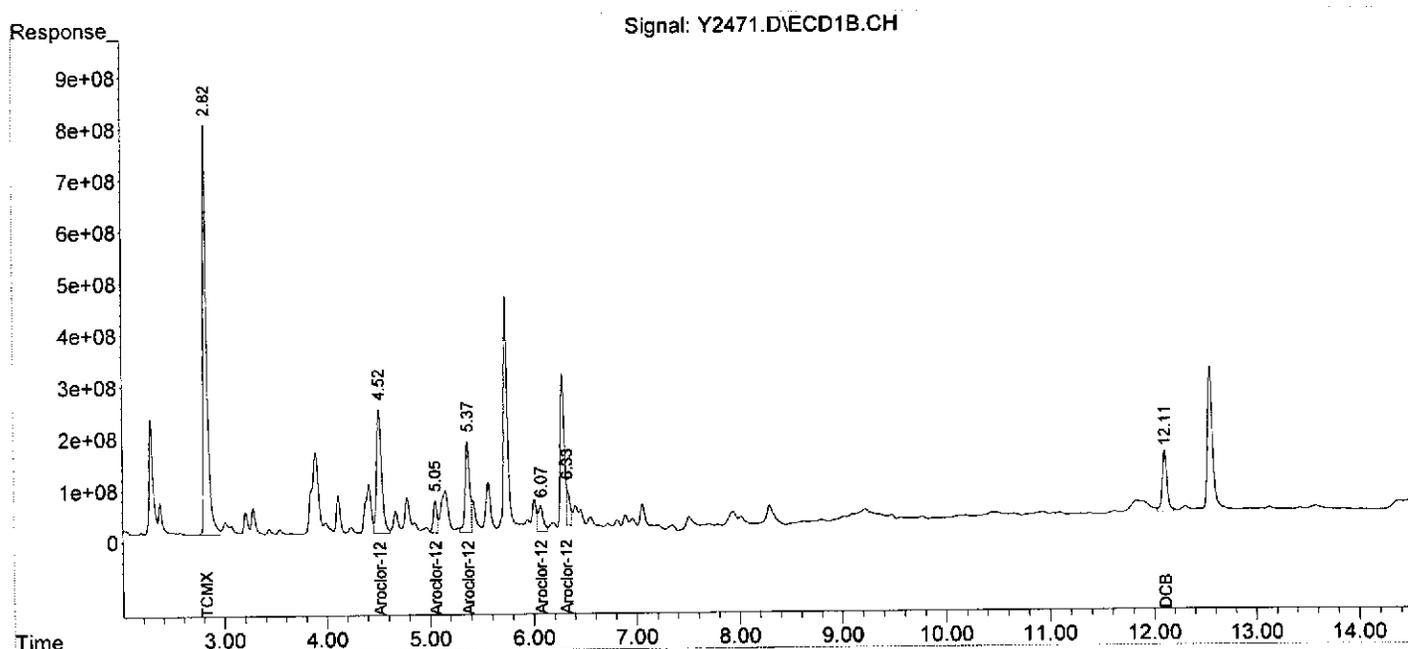
System Monitoring Compounds						
1) S TCMX	2.82	2.91	19933.2E6	7989.3E6	192.937	250.352 #
Spiked Amount	200.000		Recovery	=	96.47%	125.18%
2) S DCB	12.11	12.48	3817.1E6	1947.8E6	177.078m	262.998m#
Spiked Amount	200.000		Recovery	=	88.54%	131.50%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	8288.8E6	2440.9E6	2097.708	1892.276
24) L6 Aroclor-1248 {2}	5.05	5.71	1614.8E6	1856.2E6	749.463	969.030 #
25) L6 Aroclor-1248 {3}	5.37	6.11	5420.1E6	1615.5E6	1869.086	1190.126 #
26) L6 Aroclor-1248 {4}	6.07	6.26	1694.9E6	1133.3E6	328.426	913.352 #
27) L6 Aroclor-1248 {5}	6.33	6.61	1444.6E6	308.8E6	417.980m	456.471
Sum Aroclor-1248			18463.2E6	7354.7E6	5462.662	5421.254
Average Aroclor-1248					1092.532	1084.251
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2471.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 22:05
 Operator : YG
 Sample : DD-41_(2.0,09988-015,S,5.44g,87.0,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:57:59 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2472.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 22:22
 Operator : YG
 Sample : DD-41_(3.0,09988-016,S,5.22g,24.9,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:58:21 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

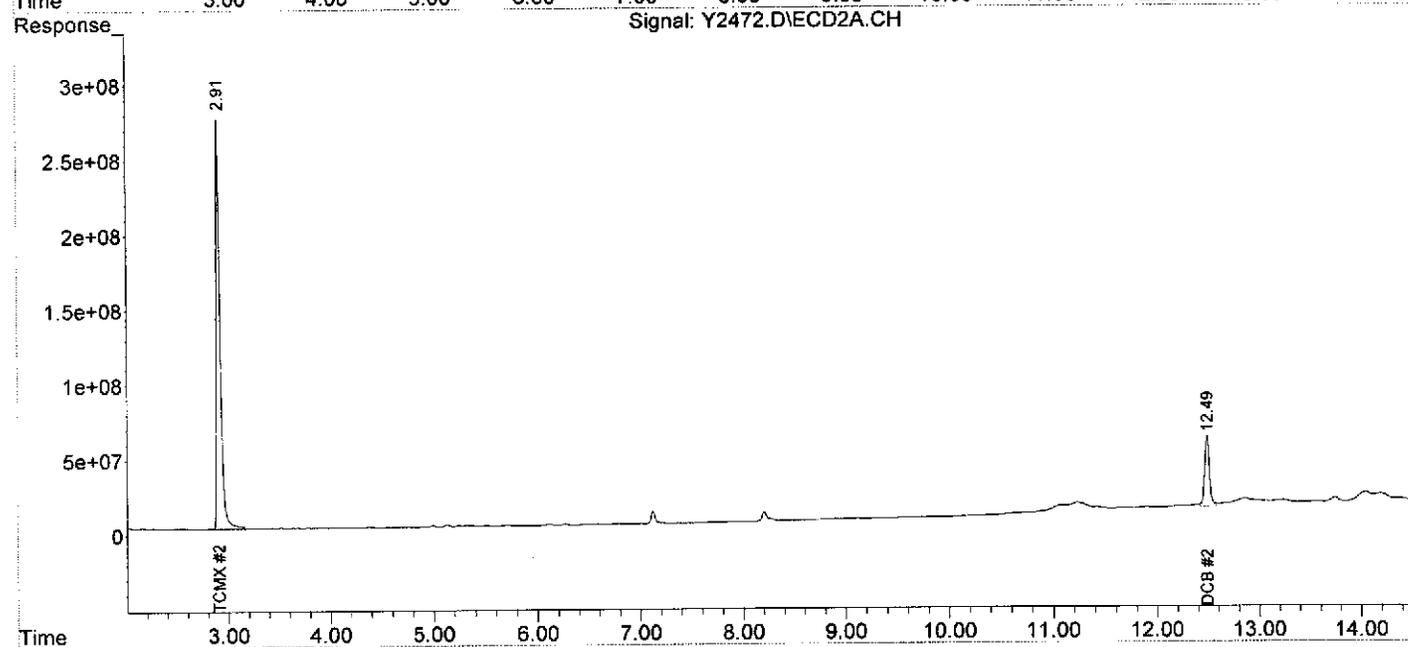
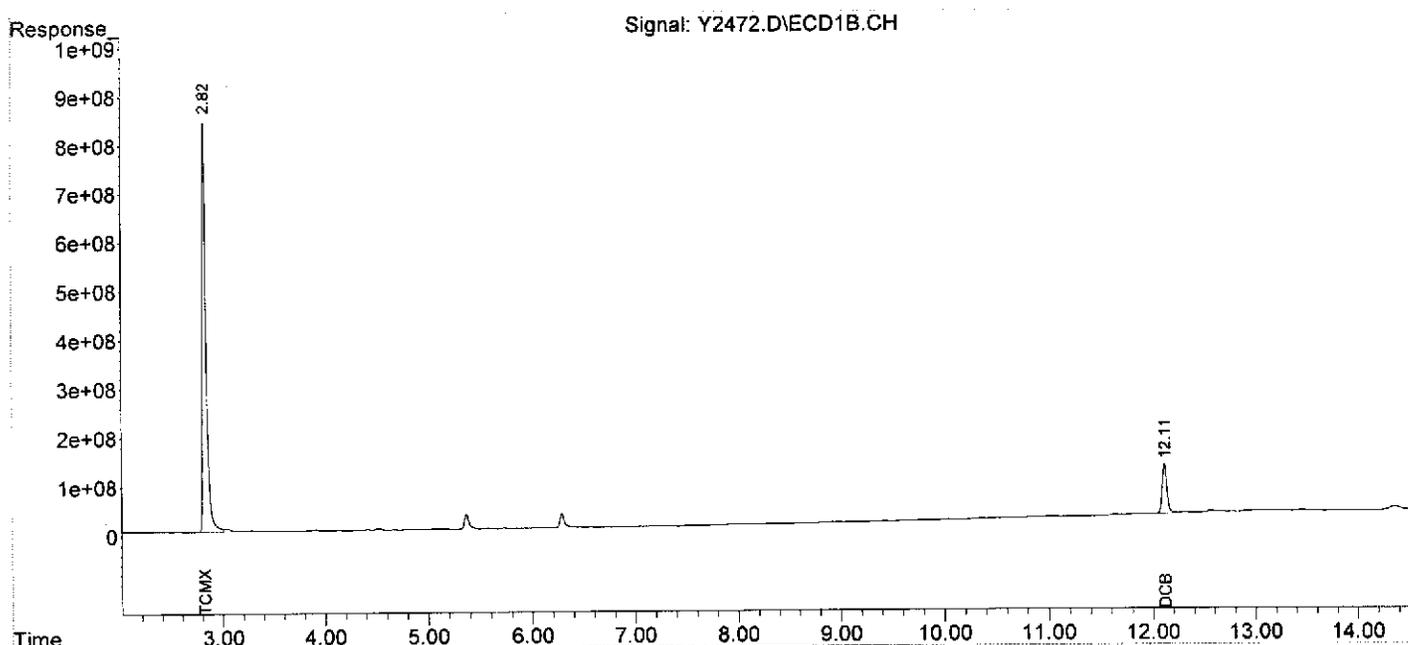
System Monitoring Compounds						
1) S TCMX	2.82	2.91	21991.6E6	7027.8E6	212.860	220.223
Spiked Amount	200.000		Recovery	=	106.43%	110.11%
2) S DCB	12.11	12.49	3216.6E6	1527.8E6	149.222m	206.289m#
Spiked Amount	200.000		Recovery	=	74.61%	103.14%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2472.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 22:22
 Operator : YG
 Sample : DD-41_(3.0,09988-016,S,5.22g,24.9,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:58:21 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2510.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 11:25
 Operator : YG
 Sample : DD-40_ (0-1,09988-017,S,5.78g,86.9,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:03:54 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

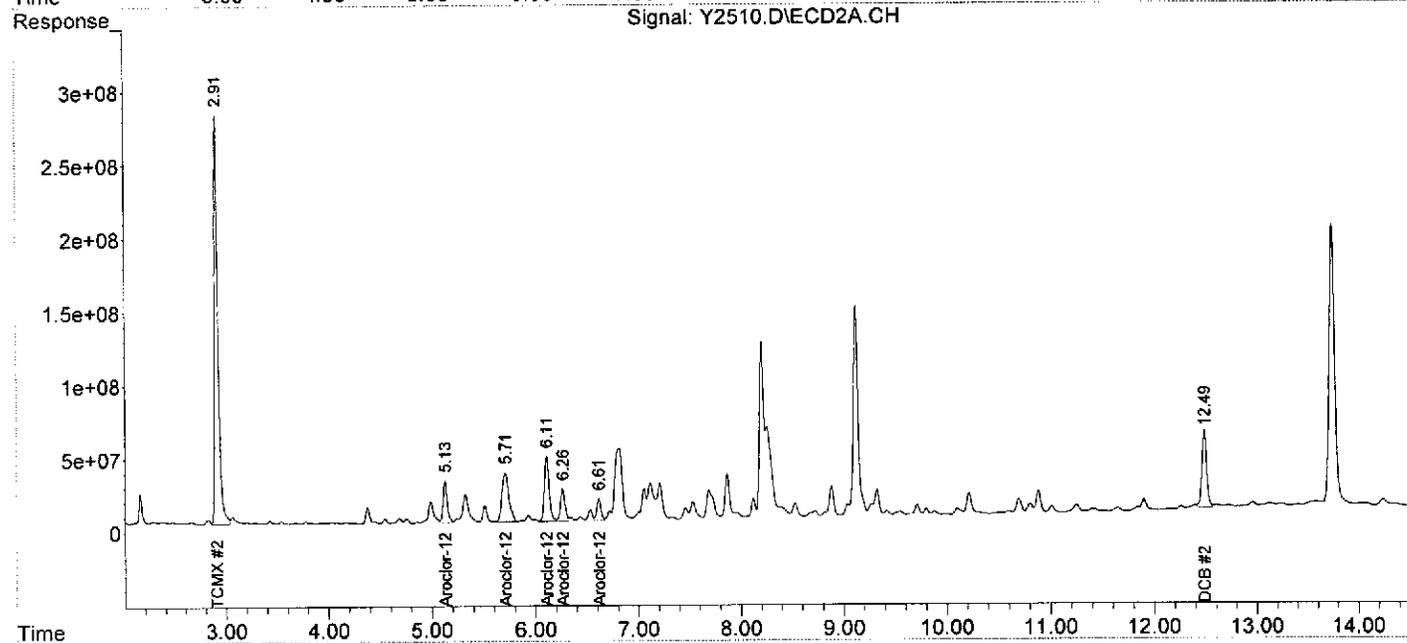
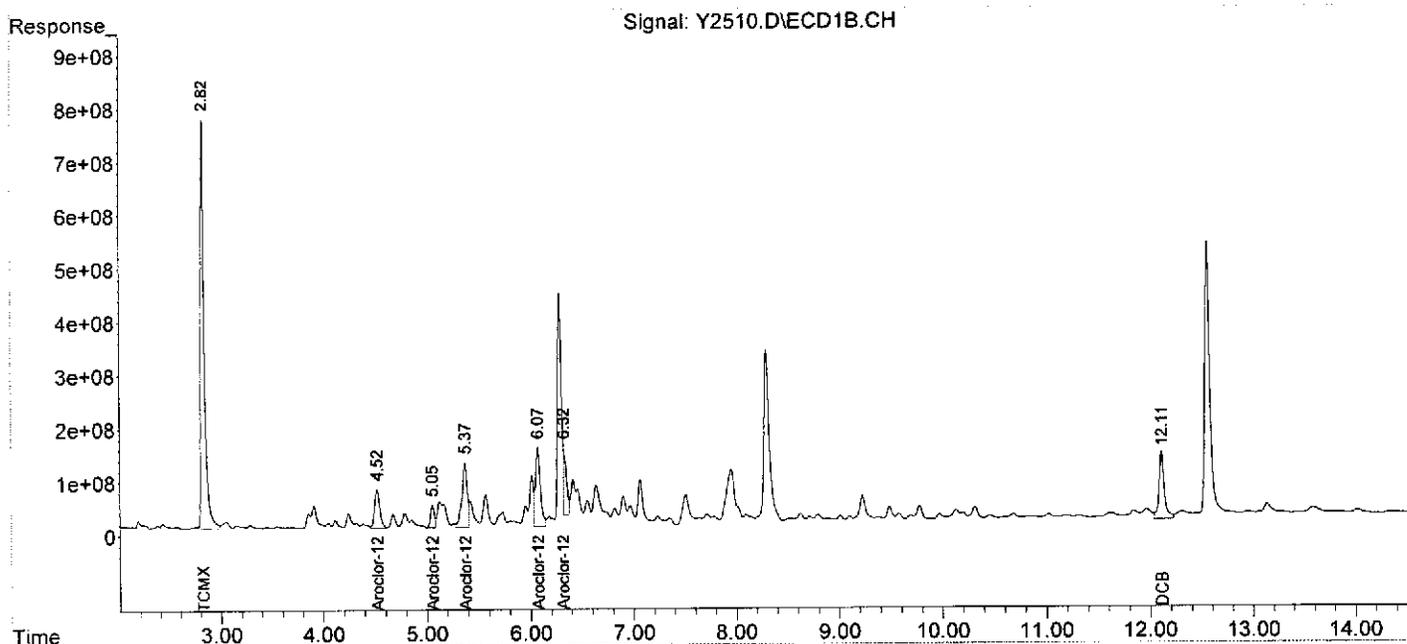
System Monitoring Compounds						
1) S TCMX	2.82	2.91	19165.9E6	6888.7E6	185.509	215.862
Spiked Amount	200.000		Recovery =		92.75%	107.93%
2) S DCB	12.11	12.49	4488.1E6	1683.6E6	208.208	227.317m
Spiked Amount	200.000		Recovery =		104.10%	113.66%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	2500.5E6	796.1E6	632.828	617.158
24) L6 Aroclor-1248 {2}	5.05	5.71	1058.3E6	1581.7E6	491.187	825.749 #
25) L6 Aroclor-1248 {3}	5.37	6.11	4381.8E6	1420.8E6	1511.056	1046.695 #
26) L6 Aroclor-1248 {4}	6.07	6.26	4816.8E6	676.0E6	933.391	544.806 #
27) L6 Aroclor-1248 {5}	6.32	6.61	2467.6E6	428.1E6	713.967m	632.803
Sum Aroclor-1248			15225.1E6	4902.7E6	4282.428	3667.213
Average Aroclor-1248					856.486	733.443
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2510.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 11:25
 Operator : YG
 Sample : DD-40_(0-1,09988-017,S,5.78g,86.9,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:03:54 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2511.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 11:43
 Operator : YG
 Sample : DD-40_(1.0,09988-018,S,5.69g,58.0,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,10
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:05:08 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

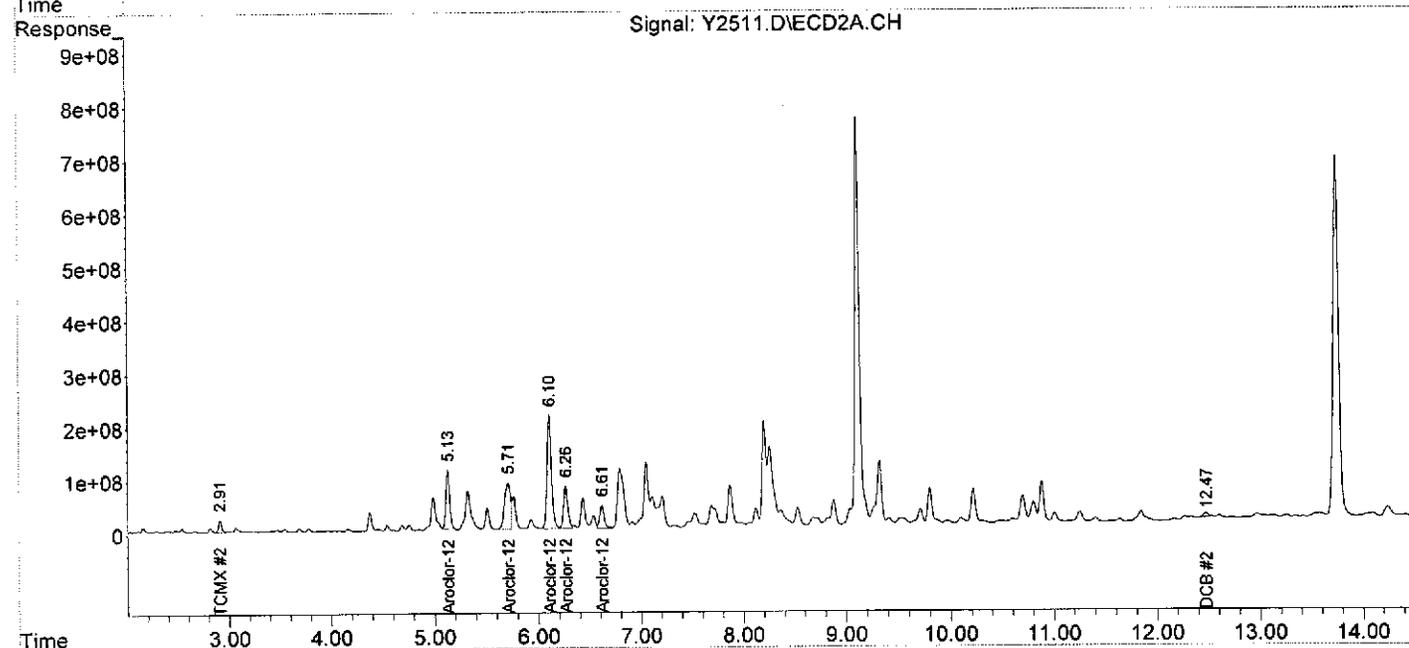
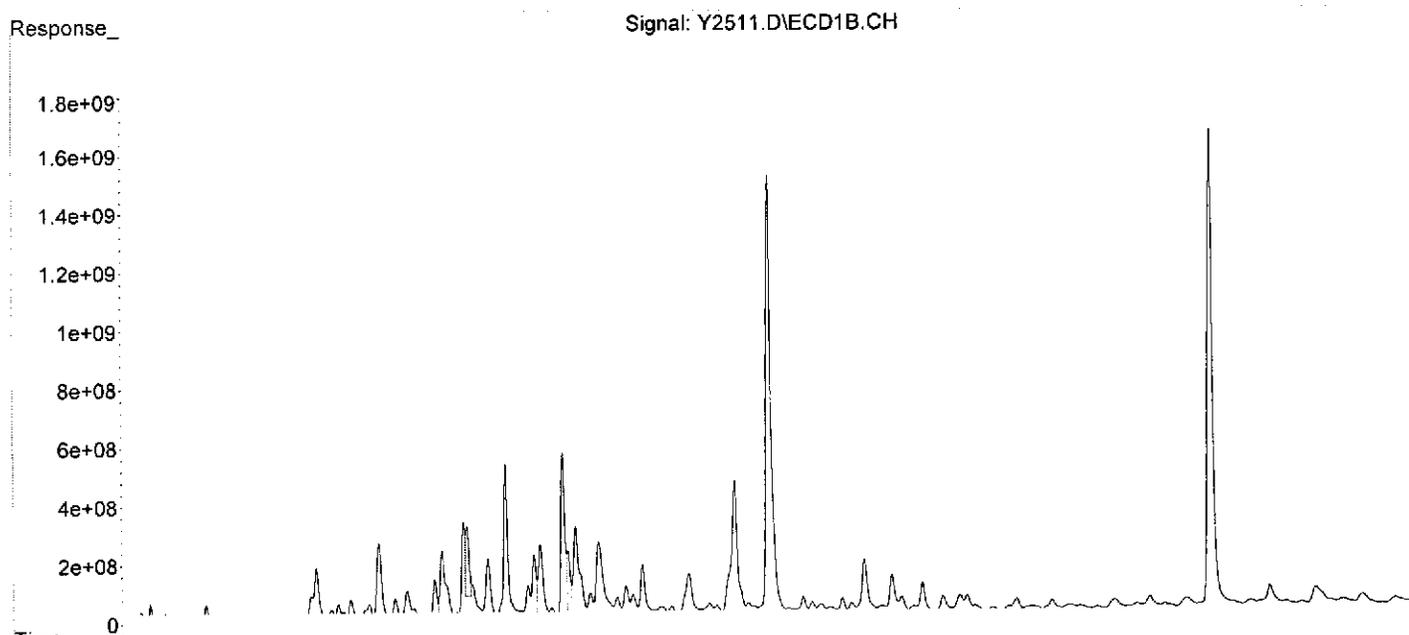
System Monitoring Compounds						
1) S TCMX	2.82	2.91	1395.8E6	491.3E6	13.510	15.394
Spiked Amount	200.000		Recovery =		6.75%	7.70%
2) S DCB	12.11	12.47	222.6E6	224.7E6	10.325m	30.337m#
Spiked Amount	200.000		Recovery =		5.16%	15.17%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	7271.5E6	2770.6E6	1840.254m	2147.912m
24) L6 Aroclor-1248 {2}	5.05	5.71	3261.3E6	3555.6E6	1513.585	1856.175
25) L6 Aroclor-1248 {3}	5.36	6.11	5453.5E6	6375.8E6	1880.627m	4697.114 #
26) L6 Aroclor-1248 {4}	6.07	6.26	7912.0E6	2365.0E6	1533.157	1905.988
27) L6 Aroclor-1248 {5}	6.34	6.61	4908.2E6	1307.2E6	1420.123	1932.317 #
Sum Aroclor-1248			28806.5E6	16374.2E6	8187.747	12539.506
Average Aroclor-1248					1637.549	2507.901
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

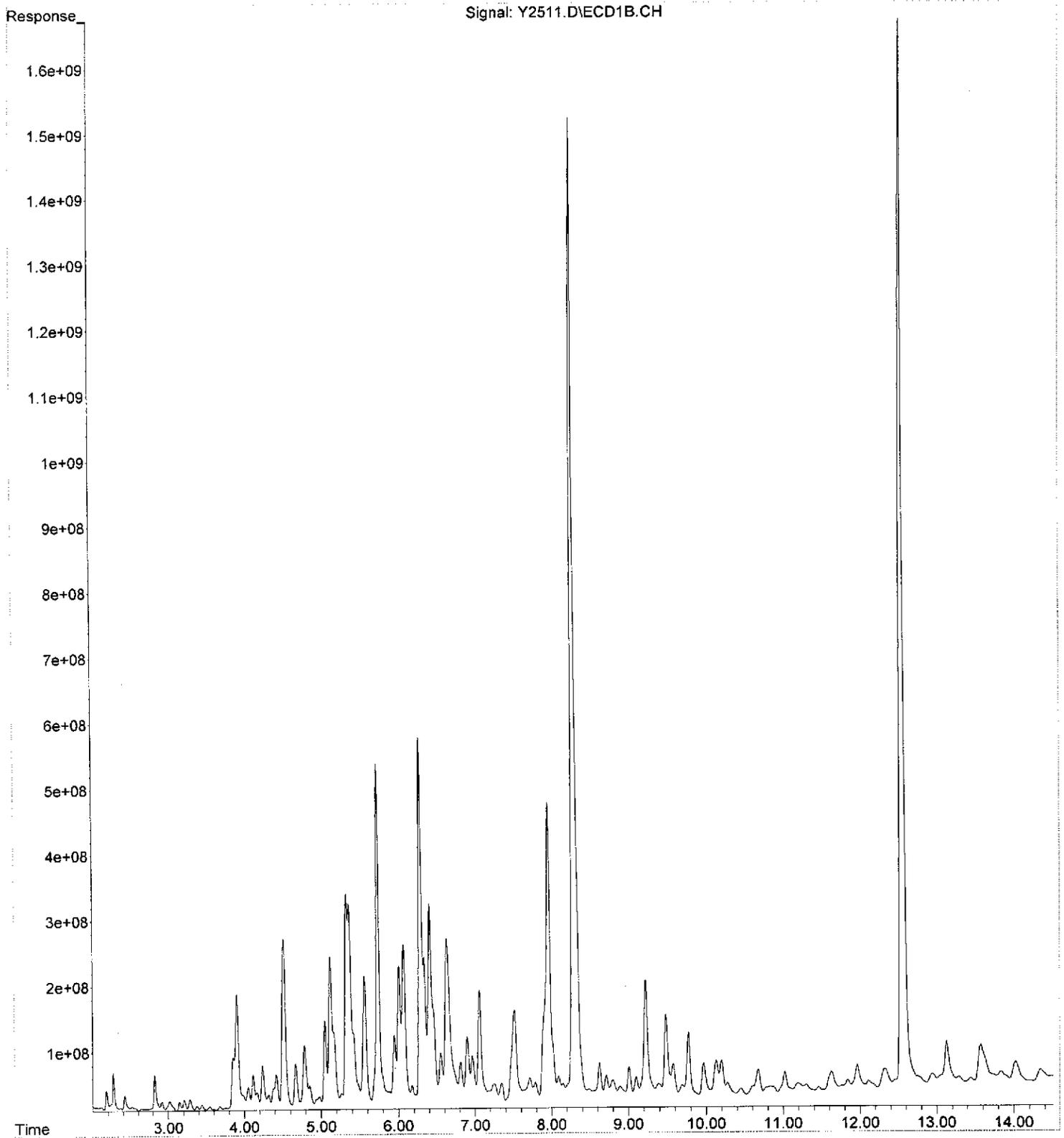
Data Path : C:\MSDCHEM\1\DATA\10-16-12\
 Data File : Y2511.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 16 Oct 2012 11:43
 Operator : YG
 Sample : DD-40_(1.0,09988-018,S,5.69g,58.0,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,10
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 16:05:08 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File :C:\MSDCHEM\1\DATA\10-16-12\Y2511.D
Operator : YG
Acquired : 16 Oct 2012 11:43 using AcqMethod YPCB0928.M
Instrument : GC_Y
Sample Name: DD-40_ (1.0,09988-018,S,5.69g,58.0,10/11/12,4
Misc Info : 121011-03,10/02/12,10/02/12,10
Vial Number: 8



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2475.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 23:14
 Operator : YG
 Sample : DD-40_(2.0,09988-019,S,5.85g,87.3,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 15:00:33 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

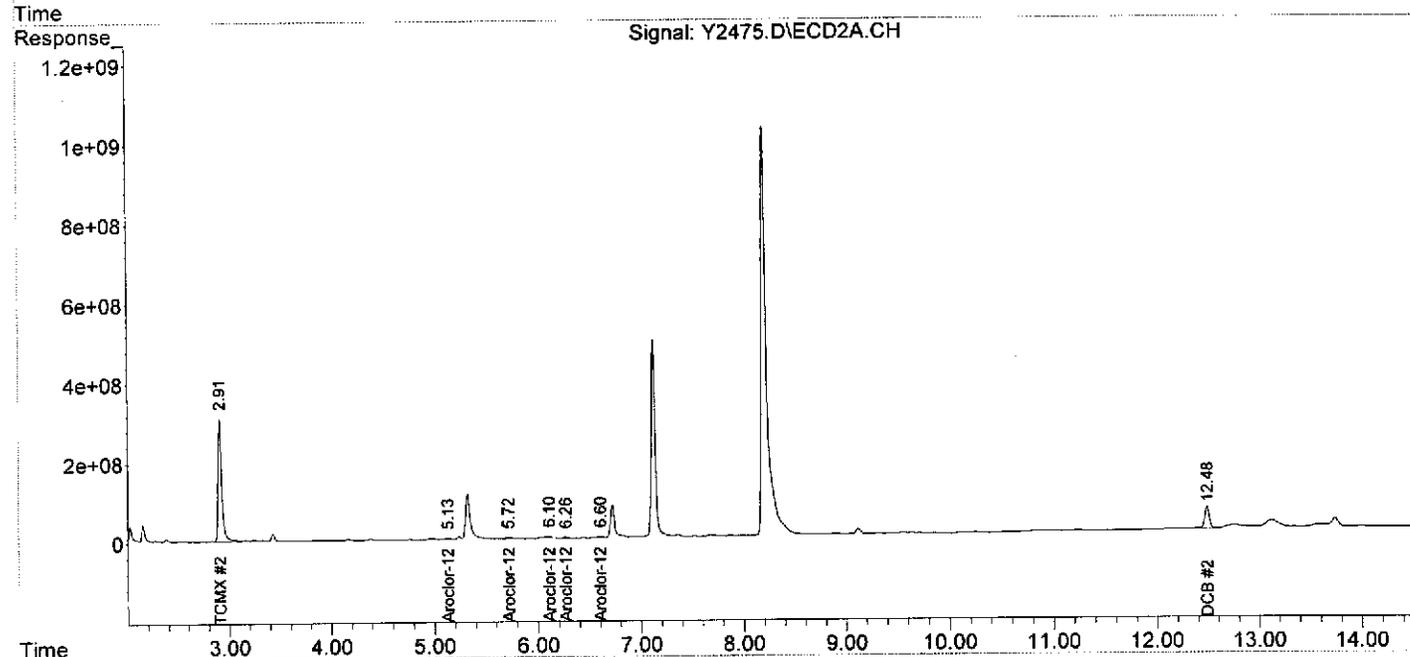
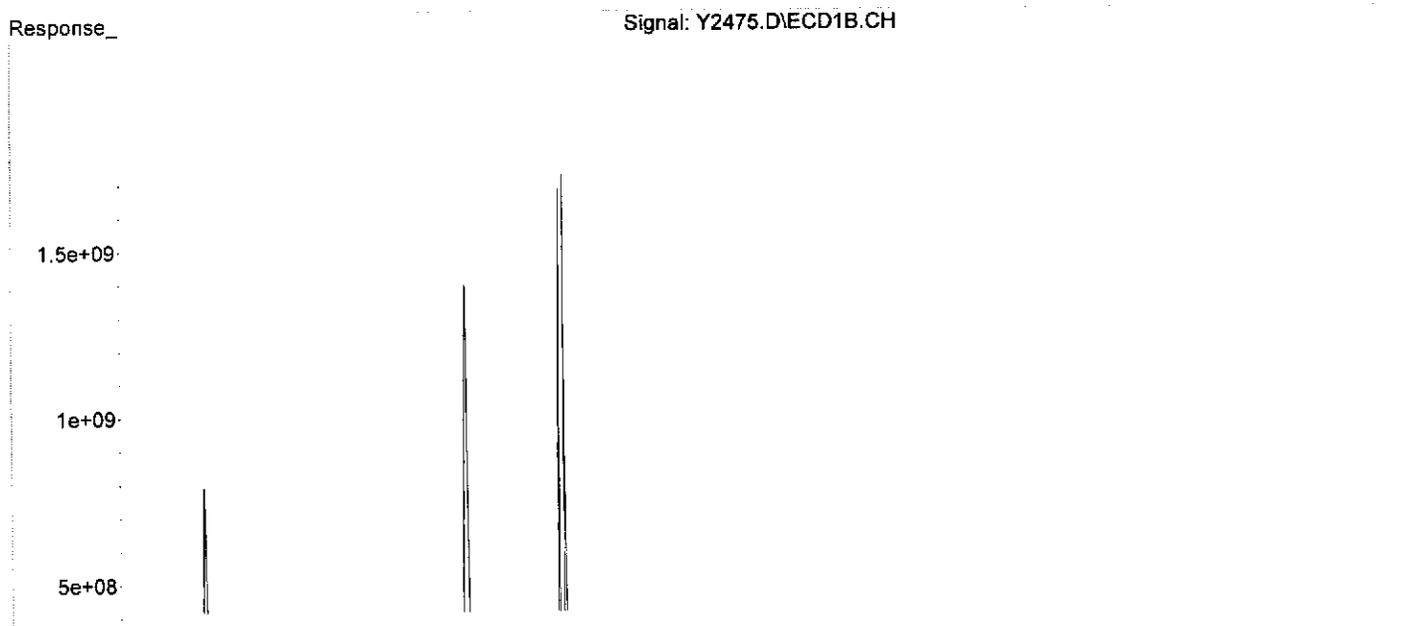
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	19865.4E6	7872.5E6	192.280	246.690 #
Spiked Amount	200.000		Recovery	=	96.14%	123.35%
2) S DCB	12.11	12.48	3848.0E6	1788.9E6	178.509m	241.538m#
Spiked Amount	200.000		Recovery	=	89.25%	120.77%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.52	5.13	575.5E6	87649997	145.651	67.950 #
24) L6 Aroclor-1248 {2}	5.06	5.72	134.7E6	129.6E6	62.508	67.657m
25) L6 Aroclor-1248 {3}	0.00	6.10	0	166.4E6	N.D. d	122.568m#
26) L6 Aroclor-1248 {4}	6.07	6.26	493.2E6	58289762	95.564	46.976m#
27) L6 Aroclor-1248 {5}	0.00	6.60	0	86586625	N.D. d	127.991m#
Sum Aroclor-1248			1203.4E6	528.5E6	303.723	433.143
Average Aroclor-1248					101.241	86.629
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

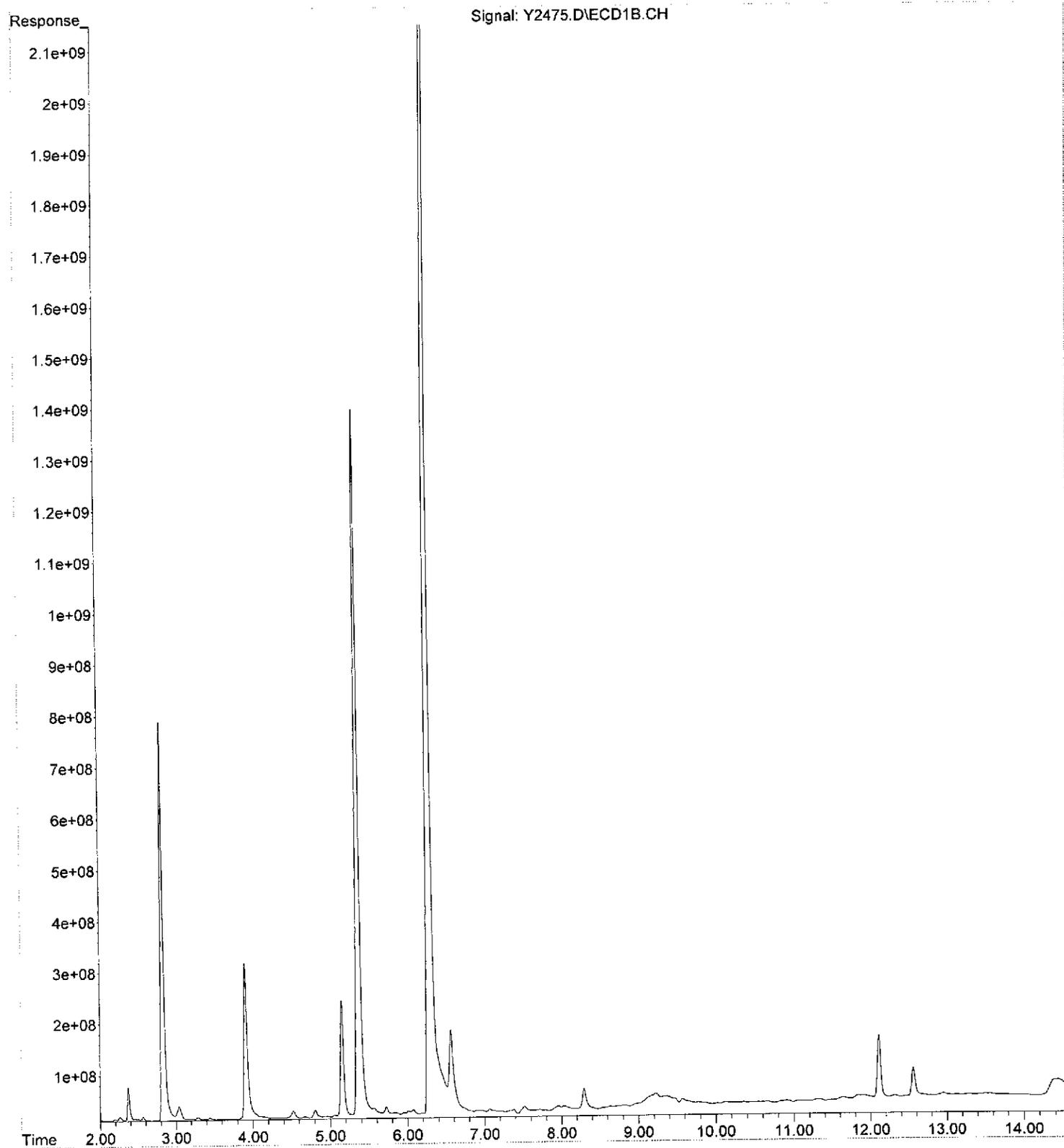
Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2475.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 23:14
 Operator : YG
 Sample : DD-40_(2.0,09988-019,S,5.85g,87.3,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 15:00:33 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



File :C:\MSDChem\1\DATA\10-15-12\Y2475.D
Operator : YG
Acquired : 15 Oct 2012 23:14 using AcqMethod YPCB0928.M
Instrument : GC_Y
Sample Name: DD-40_(2.0,09988-019,S,5.85g,87.3,10/11/12,4
Misc Info : 121011-03,10/02/12,10/02/12,1
Vial Number: 23



Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2476.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 23:31
 Operator : YG
 Sample : DD-40 (3.0,09988-020,S,5.00g,25.8,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 15:00:56 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

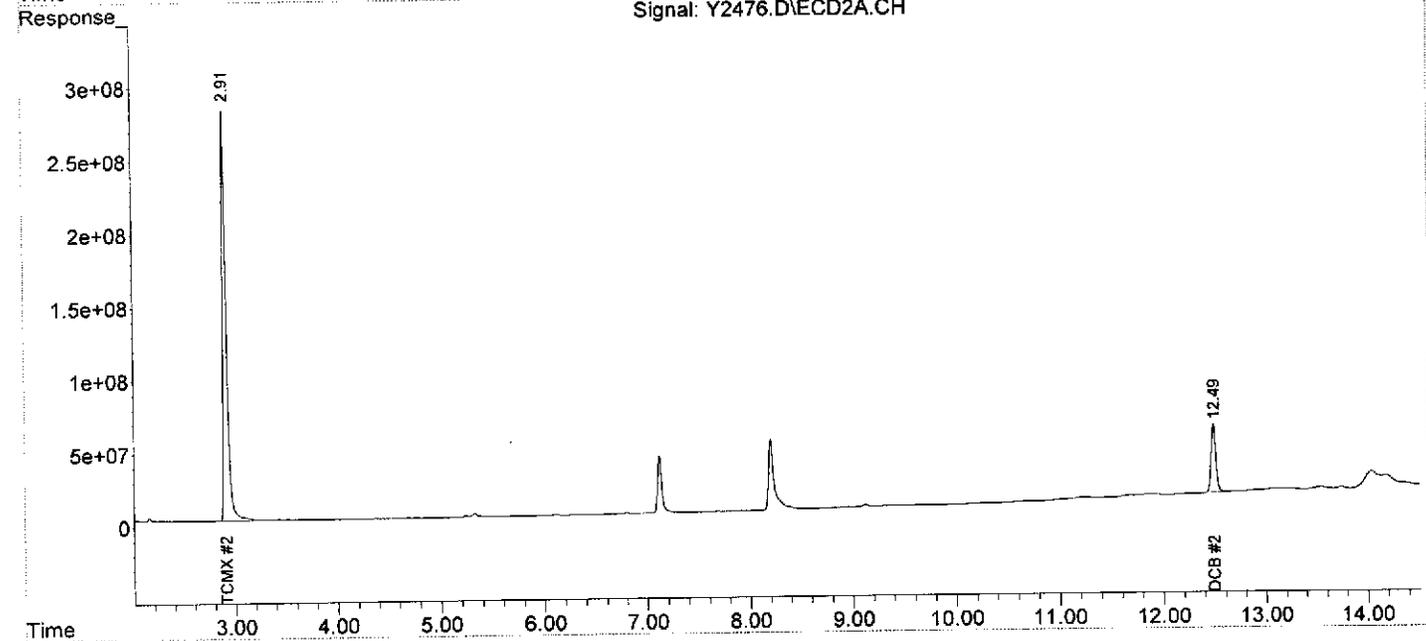
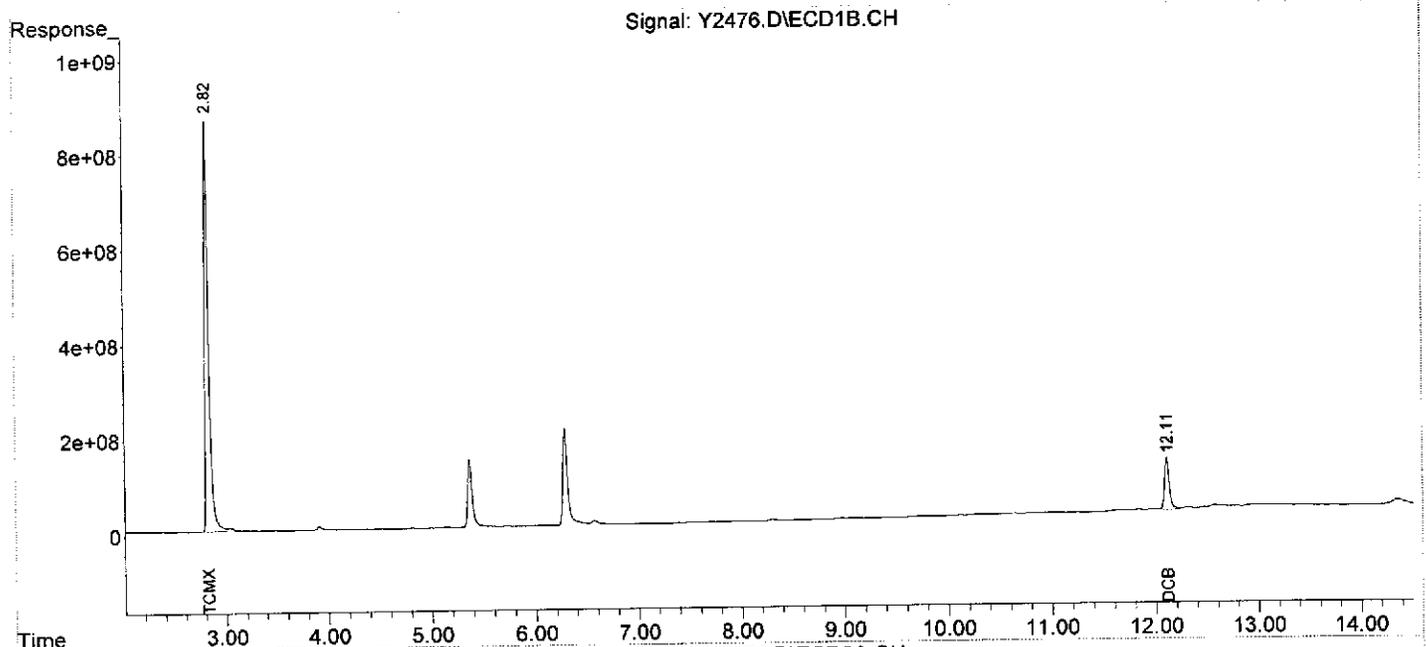
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	22594.6E6	7192.8E6	218.696	225.392
Spiked Amount	200.000		Recovery	=	109.35%	112.70%
2) S DCB	12.11	12.49	3501.1E6	1512.5E6	162.418m	204.222m#
Spiked Amount	200.000		Recovery	=	81.21%	102.11%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2476.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 23:31
 Operator : YG
 Sample : DD-40 (3.0,09988-020,S,5.00g,25.8,10/11/12,4
 Misc : 121011-03,10/02/12,10/02/12,1
 ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 15:00:56 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : R4366.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 9:57
 Operator : YG
 Sample : DD-42_(0-1,09988-021,S,5.32g,78.4,10/11/12,4
 Misc : 121011-05,10/02/12,10/02/12,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:46:56 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.48	3.39	35853.2E6	35819.8E6	221.161	242.909
Spiked Amount	200.000				Recovery = 110.58%	121.45%
2) S DCB	13.11	13.16	7939.2E6	6035.3E6	156.186m	163.358m
Spiked Amount	200.000				Recovery = 78.09%	81.68%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.31	5.70	2932.4E6	2420.2E6	379.594	359.826
24) L6 Aroclor-1248 {2}	5.87	6.27	2570.6E6	7767.3E6	608.964	808.418 #
25) L6 Aroclor-1248 {3}	6.21	6.70	4393.2E6	6769.3E6	792.534	943.033
26) L6 Aroclor-1248 {4}	6.93	6.85	8316.7E6	2729.3E6	917.988	441.353 #
27) L6 Aroclor-1248 {5}	7.22	7.21	3425.8E6	1355.8E6	486.095m	373.582
Sum Aroclor-1248			21638.7E6	21041.9E6	3185.174	2926.212
Average Aroclor-1248					637.035	585.242
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	9.26	8.74	2507.2E6	2454.1E6	184.024m	385.996 #
34) L8 Aroclor-1260 {2}	9.95	9.15	515.8E6	1530.7E6	80.868m	215.140 #
35) L8 Aroclor-1260 {3}	10.43	10.35	1951.4E6	1146.7E6	99.934m	206.950 #
36) L8 Aroclor-1260 {4}	10.92	10.86	1000.3E6	1627.7E6	113.668m	139.942
37) L8 Aroclor-1260 {5}	11.99	11.45	720.4E6	1005.6E6	192.829m	127.514 #
Sum Aroclor-1260			6695.1E6	7764.8E6	671.322	1075.542
Average Aroclor-1260					134.264	215.108
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : R4366.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 9:57
 Operator : YG
 Sample : DD-42_(0-1,09988-021,S,5.32g,78.4,10/11/12,4
 Misc : 121011-05,10/02/12,10/02/12,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:46:56 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
----------	------	------	--------	--------	------	------

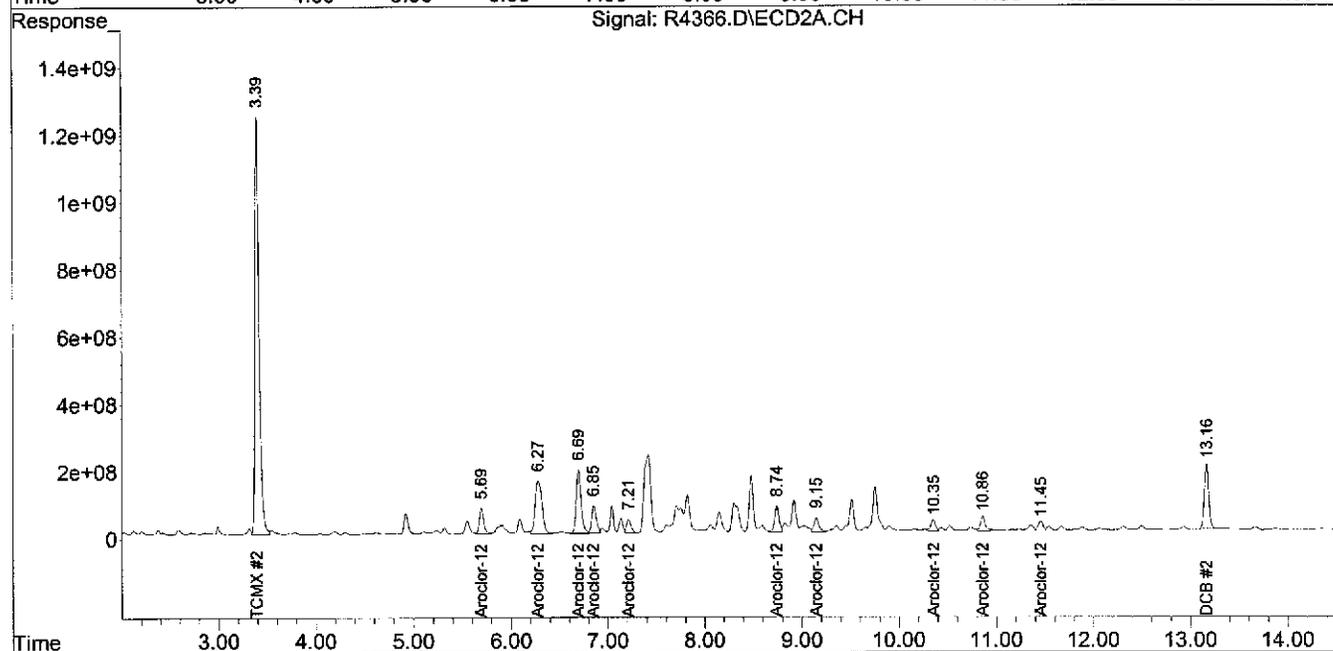
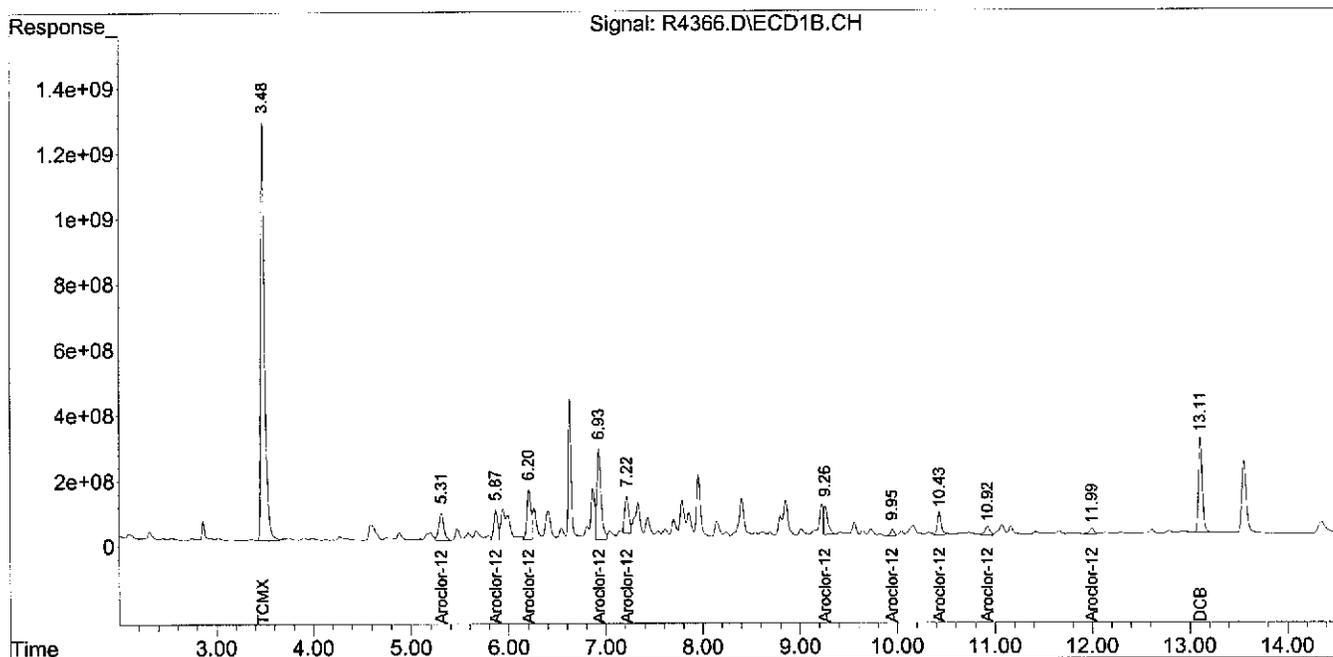
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : R4366.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 9:57
 Operator : YG
 Sample : DD-42_(0-1,09988-021,S,5.32g,78.4,10/11/12,4
 Misc : 121011-05,10/02/12,10/02/12,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:46:56 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-12-12\
 Data File : R4344.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 12 Oct 2012 21:03
 Operator : YG
 Sample : DD-42_(1.0,09988-022,S,5.35g,88.0,10/11/12,4
 Misc : 12101I-05,10/02/12,10/02/12,10
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:30:50 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.48	3.38	4840.5E6	4247.5E6	29.859	28.804
Spiked Amount	200.000				Recovery = 14.93%	14.40%
2) S DCB	13.10	13.14	1162.0E6	806.2E6	22.861m	21.821m
Spiked Amount	200.000				Recovery = 11.43%	10.91%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.67	4221.1E6	3428.7E6	546.412	509.761
24) L6 Aroclor-1248 {2}	5.86	6.27	1222.5E6	2943.9E6	289.613	306.402
25) L6 Aroclor-1248 {3}	6.20	6.68	1918.8E6	2504.6E6	346.146	348.910
26) L6 Aroclor-1248 {4}	6.93	6.83	1720.5E6	1906.6E6	189.911	308.327 #
27) L6 Aroclor-1248 {5}	7.21	7.19	1644.3E6	720.0E6	233.312	198.406
Sum Aroclor-1248			10727.3E6	11503.9E6	1605.393	1671.807
Average Aroclor-1248					321.079	334.361
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

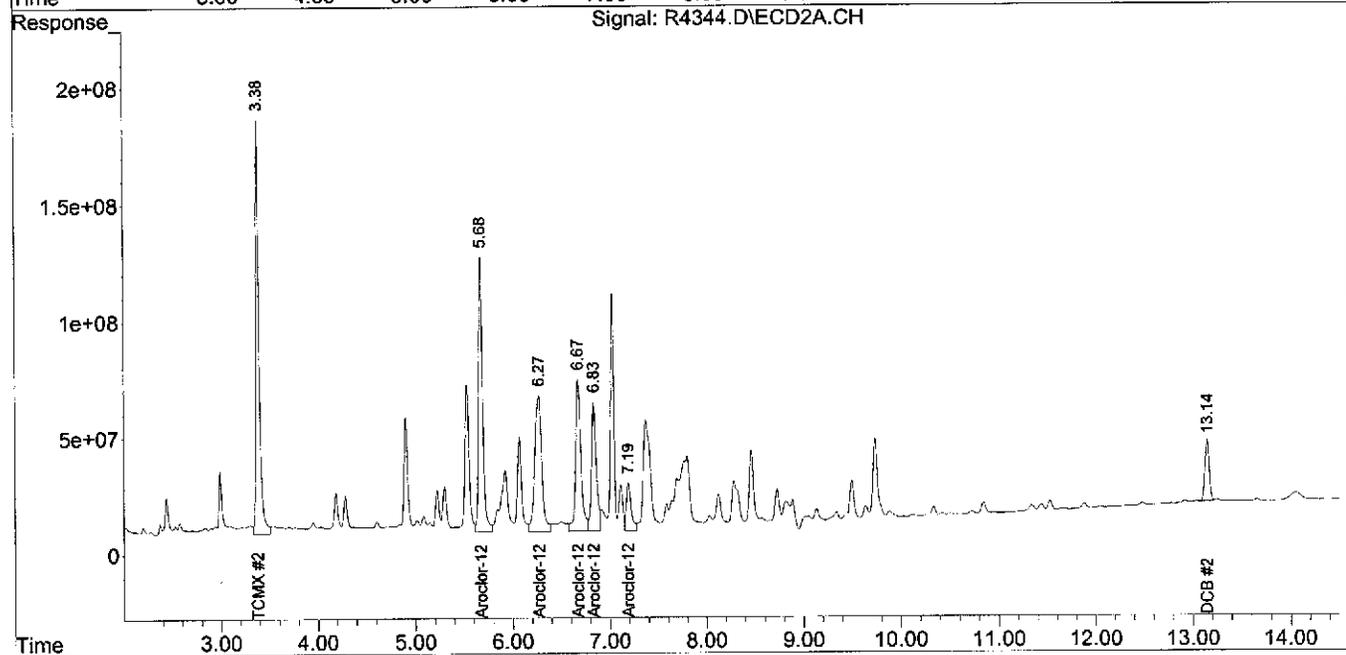
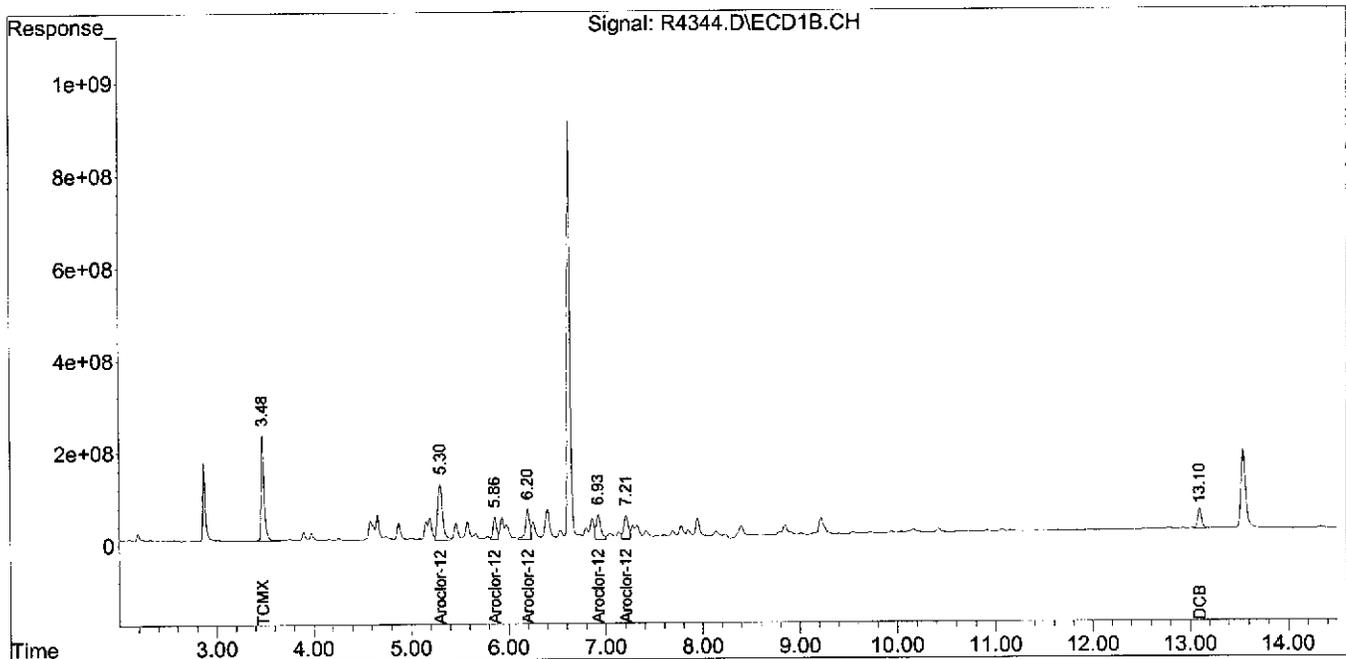
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-12-12\
 Data File : R4344.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 12 Oct 2012 21:03
 Operator : YG
 Sample : DD-42_(1.0,09988-022,S,5.35g,88.0,10/11/12,4
 Misc : 121011-05,10/02/12,10/02/12,10
 ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:30:50 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : R4367.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 10:15
 Operator : YG
 Sample : DD-42_(2.0,09988-023,S,5.44g,88.1,10/11/12,4
 Misc : 121011-05,10/02/12,10/02/12,1
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:50:24 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

System Monitoring Compounds						
1) S TCMX	3.48	3.38	36195.6E6	36804.8E6	223.273	249.589
Spiked Amount	200.000				Recovery = 111.64%	124.79%
2) S DCB	13.10	13.15	8936.0E6	6774.5E6	175.795m	183.366m
Spiked Amount	200.000				Recovery = 87.90%	91.68%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.68	423.4E6	508.2E6	54.809m	75.554 #
24) L6 Aroclor-1248 {2}	5.86	6.28	246.8E6	365.1E6	58.470m	37.995m#
25) L6 Aroclor-1248 {3}	0.00	6.68	0	320.5E6	N.D. d	44.656m#
26) L6 Aroclor-1248 {4}	6.93	6.84	183.7E6	188.2E6	20.279m	30.429m#
27) L6 Aroclor-1248 {5}	0.00	7.19	0	111.3E6	N.D. d	30.661m#
Sum Aroclor-1248			853.9E6	1493.2E6	133.558	219.294
Average Aroclor-1248					44.519	43.859
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

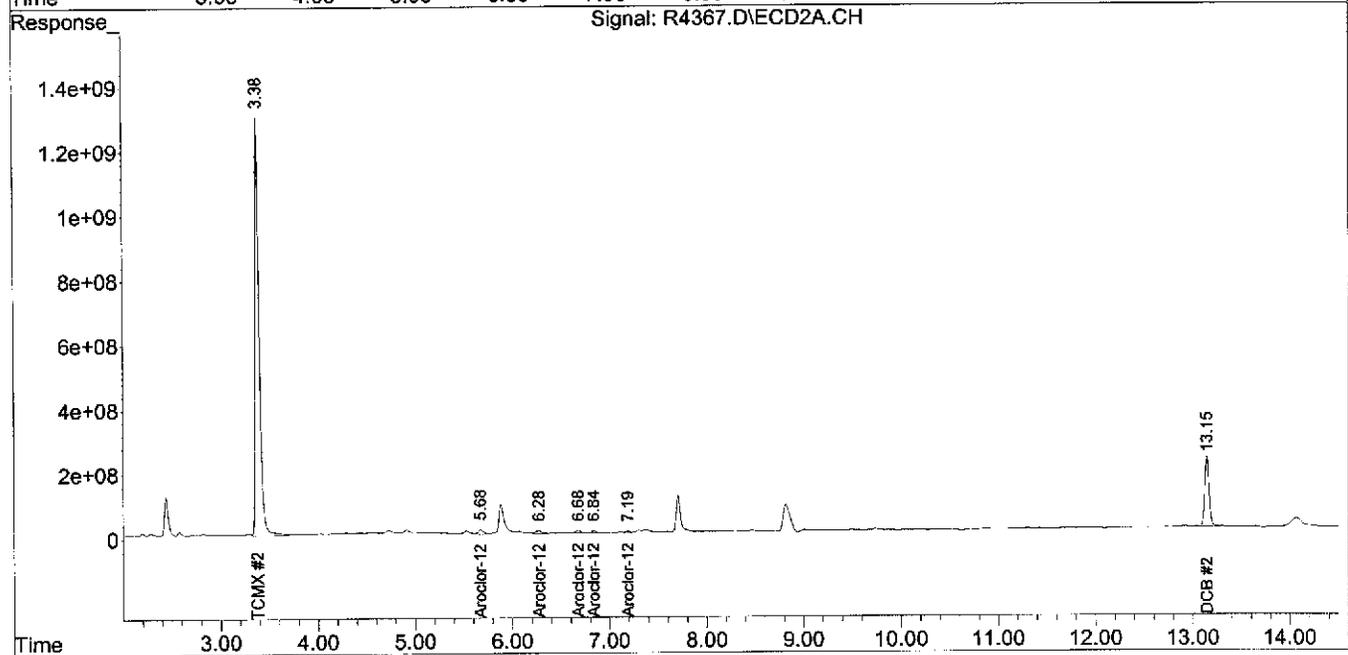
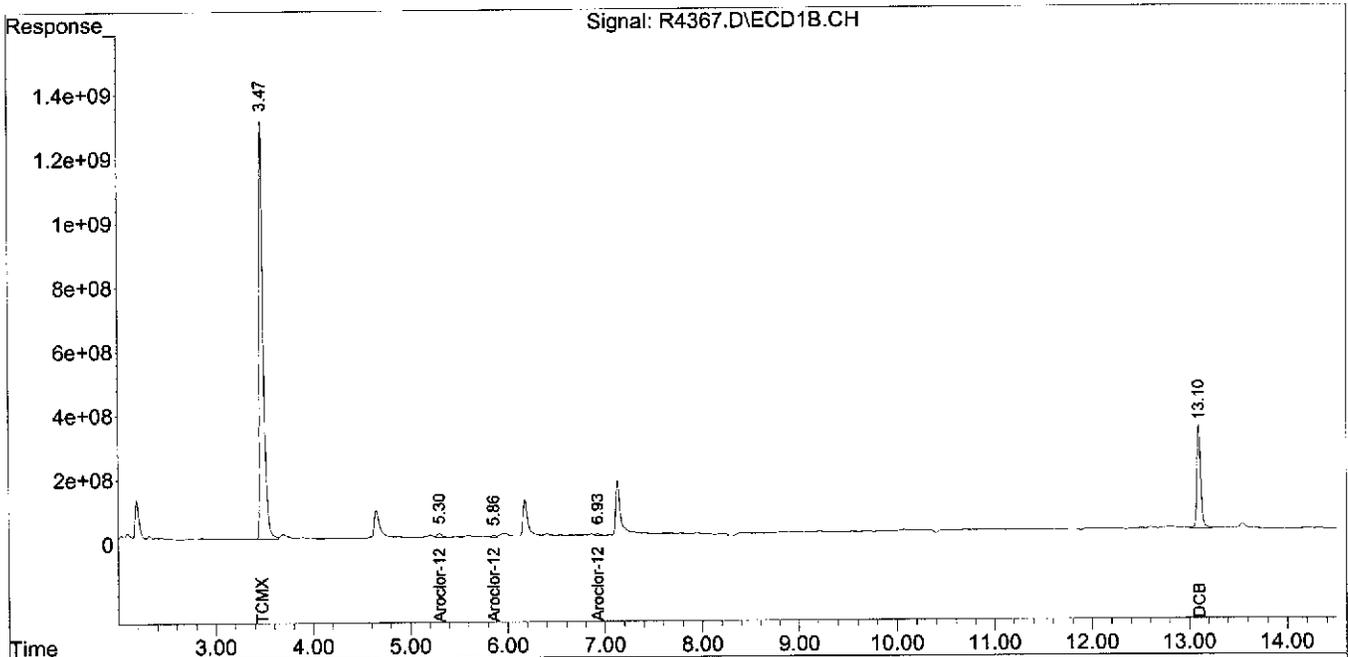
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : R4367.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 10:15
 Operator : YG
 Sample : DD-42_(2.0,09988-023,S,5.44g,88.1,10/11/12,4
 Misc : 121011-05,10/02/12,10/02/12,1
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:50:24 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-12-12\
 Data File : R4346.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 12 Oct 2012 21:38
 Operator : YG
 Sample : DD-42 (3.0,09988-024,S,5.14g,22.1,10/11/12,4
 Misc : 12101I-05,10/02/12,10/02/12,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:31:26 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.48	3.38	36979.3E6	33106.8E6	228.107	224.511
Spiked Amount	200.000				Recovery = 114.05%	112.26%
2) S DCB	13.10	13.14	11209.3E6	7244.1E6	220.517	196.077
Spiked Amount	200.000				Recovery = 110.26%	98.04%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

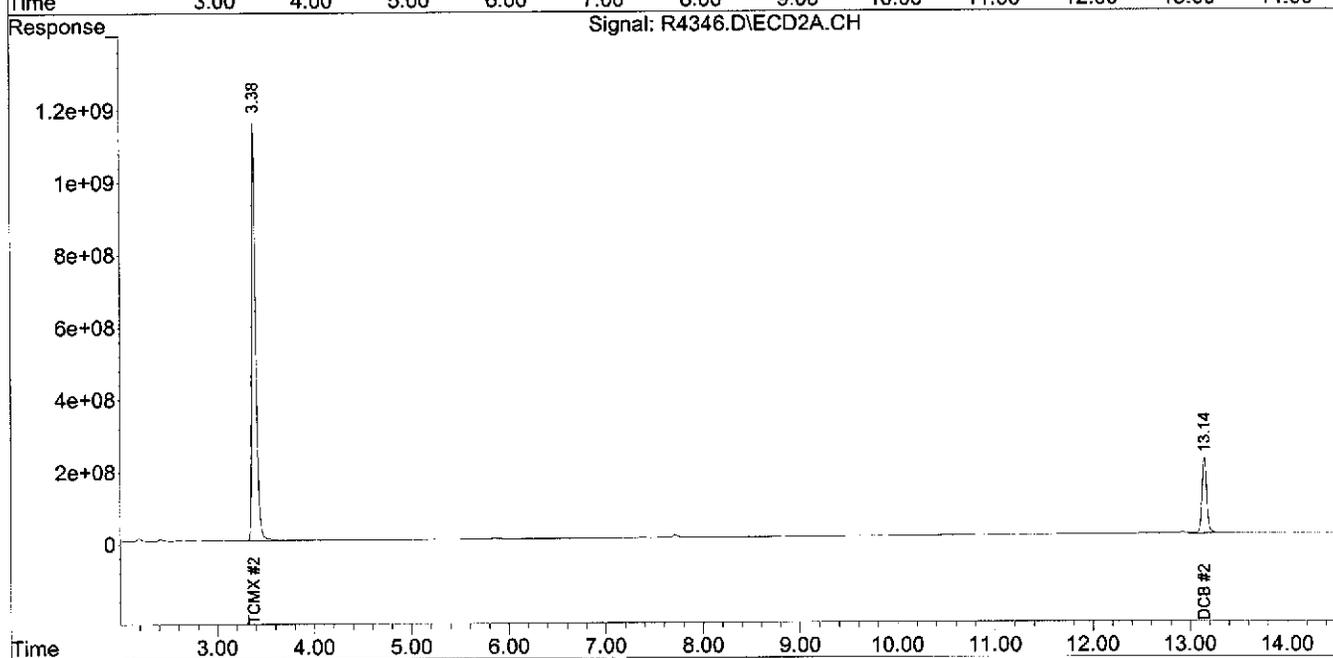
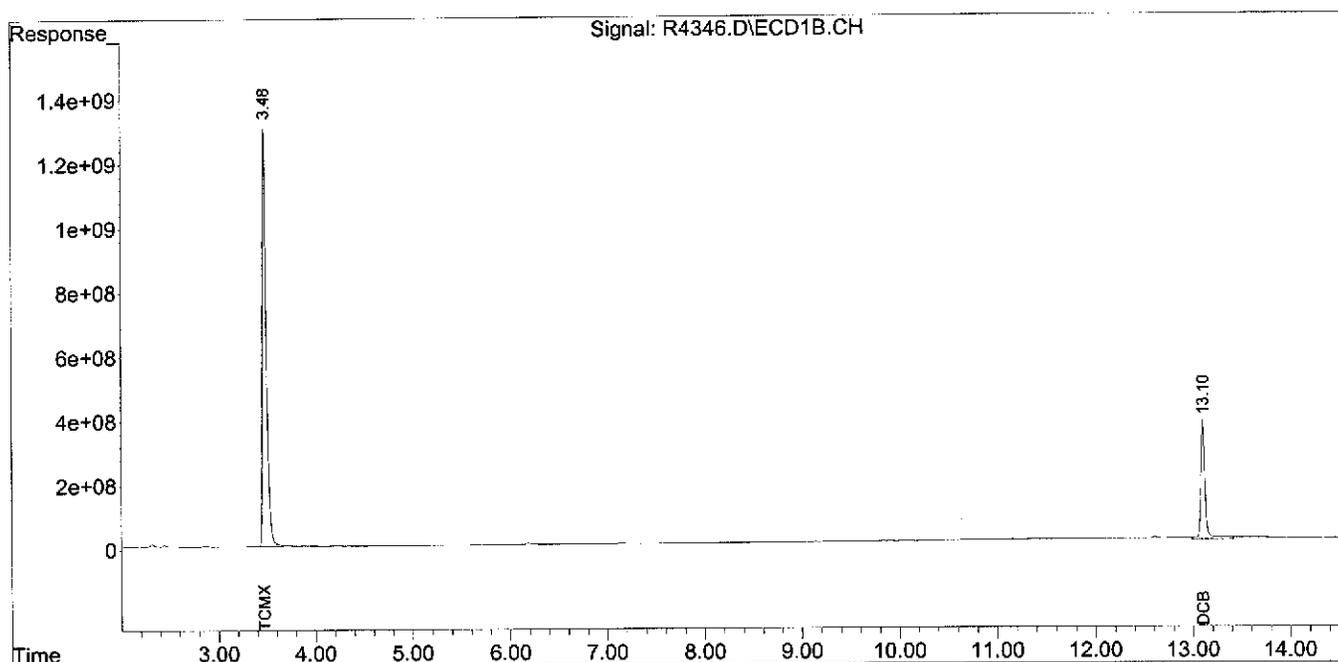
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-12-12\
 Data File : R4346.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 12 Oct 2012 21:38
 Operator : YG
 Sample : DD-42 (3.0,09988-024,S,5.14g,22.1,10/11/12,4
 Misc : 121011-05,10/02/12,10/02/12,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:31:26 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-05-12\
 Data File : R4209.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Oct 2012 17:40
 Operator : IB
 Sample : FB-44,09988-025,A,1000ml,100,10/04/12,1
 Misc : 121004-07,10/02/12,10/02/12,1
 ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 08 08:42:24 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.48	3.38	25667.8E6	24156.8E6	158.332	163.818
Spiked Amount	200.000					
				Recovery =	79.17%	81.91%
2) S DCB	13.10	13.14	7527.1E6	5898.9E6	148.078	159.667
Spiked Amount	200.000			Recovery =	74.04%	79.83%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

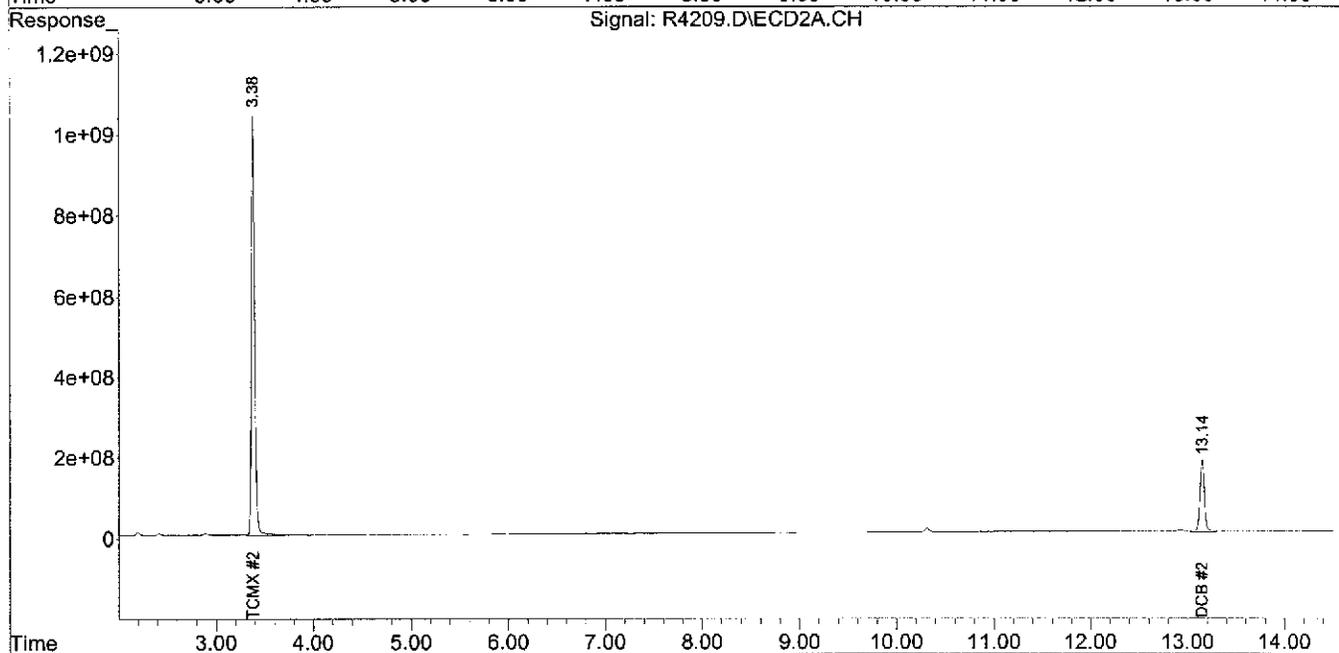
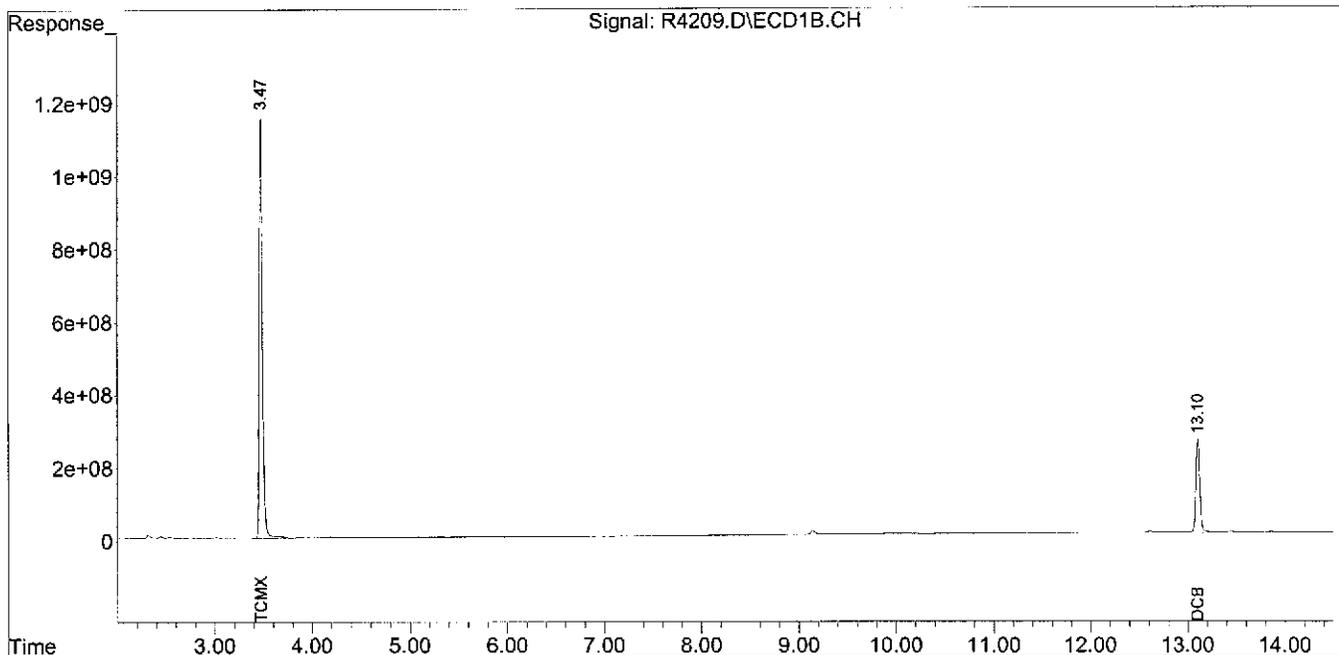
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-05-12\
Data File : R4209.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 05 Oct 2012 17:40
Operator : IB
Sample : FB-44,09988-025,A,1000ml,100,10/04/12,1
Misc : 121004-07,10/02/12,10/02/12,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 08 08:42:24 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Fri Sep 28 15:54:16 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA120920-06
 Client ID: PCB
 Date Received: NA
 Date Extracted: 09/20/2012
 Date Analyzed: 09/25/2012
 Data file: R3999.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 1000ml
 Matrix-Units: Aqueous- μ g/L (ppb)
 Dilution Factor: 1
 % Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA121004-07
Client ID: PCB
Date Received: NA
Date Extracted: 10/04/2012
Date Analyzed: 10/05/2012
Data file: R4205.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

Data Path : C:\MSDCHEM\1\DATA\10-05-12\
 Data File : R4205.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Oct 2012 16:30
 Operator : IB
 Sample : PCB,BLKA121004-07,A,1000ml,100,10/04/12,1
 Misc : NA,NA,NA,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 08 08:36:38 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.47	3.38	27386.3E6	24435.2E6	168.933	165.705
Spiked Amount	200.000			Recovery =	84.47%	82.85%
2) S DCB	13.10	13.15	9109.8E6	6678.4E6	179.215	180.765
Spiked Amount	200.000			Recovery =	89.61%	90.38%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

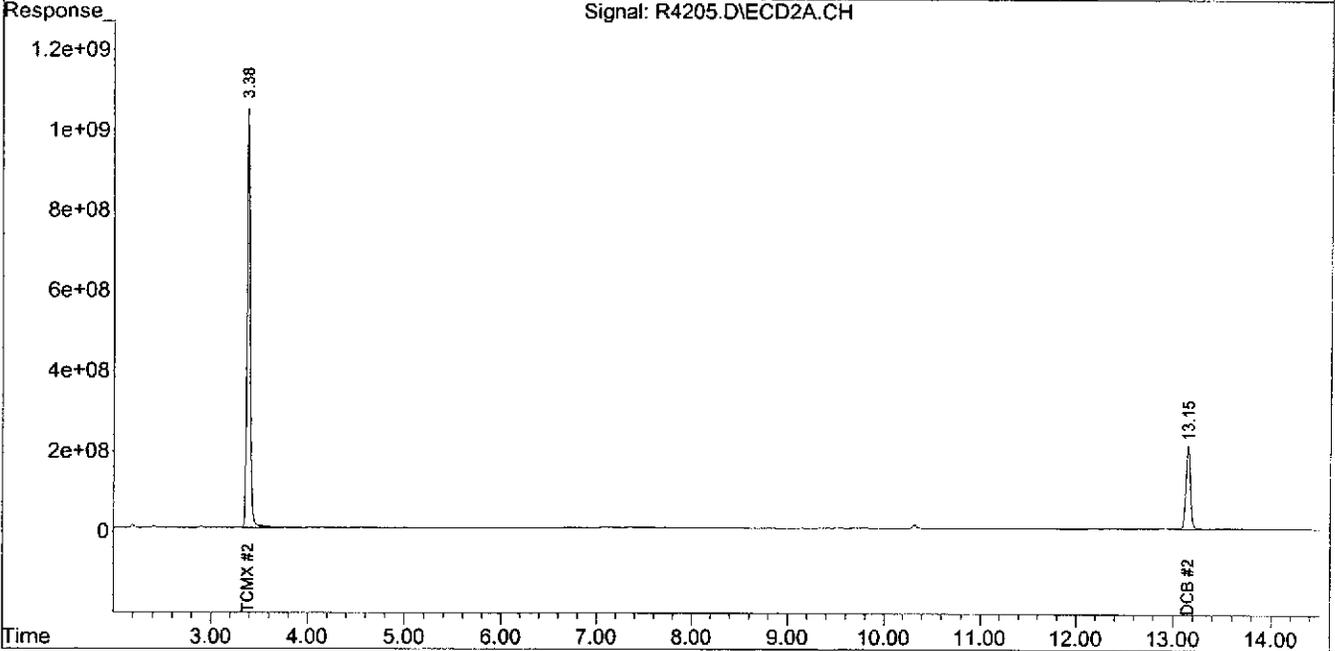
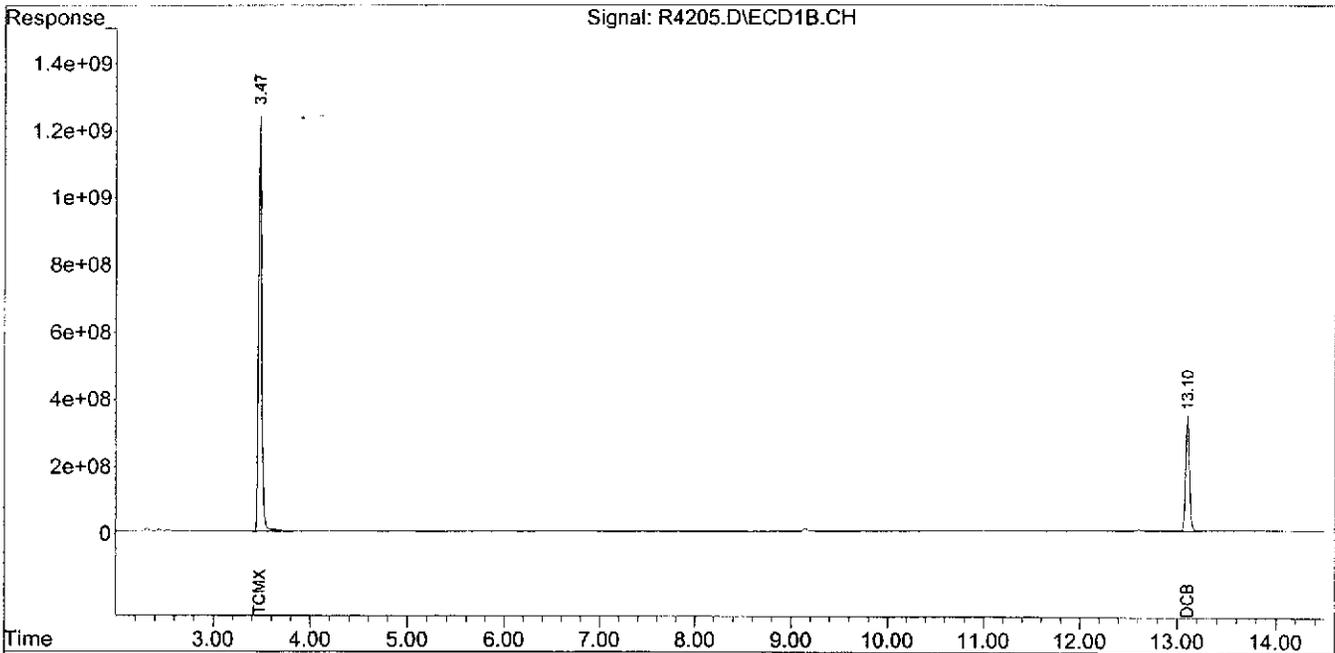
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-05-12\
 Data File : R4205.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 05 Oct 2012 16:30
 Operator : IB
 Sample : PCB,BLKA121004-07,A,1000ml,100,10/04/12,1
 Misc : NA,NA,NA,1
 ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 08 08:36:38 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS121011-05
Client ID: PCB
Date Received: NA
Date Extracted: 10/11/2012
Date Analyzed: 10/12/2012
Data file: R4340.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

Data Path : C:\MSDCHEM\1\DATA\10-12-12\
 Data File : R4340.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 12 Oct 2012 19:53
 Operator : YG
 Sample : PCB,BLKS121011-05,S,5.00g,0,10/11/12,4
 Misc : NA,NA,NA,1
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 15 13:28:36 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.48	3.38	37160.1E6	32161.2E6	229.223	218.099
Spiked Amount	200.000					
					Recovery = 114.61%	109.05%
2) S DCB	13.10	13.14	11323.8E6	6996.0E6	222.770	189.363m
Spiked Amount	200.000					
					Recovery = 111.39%	94.68%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

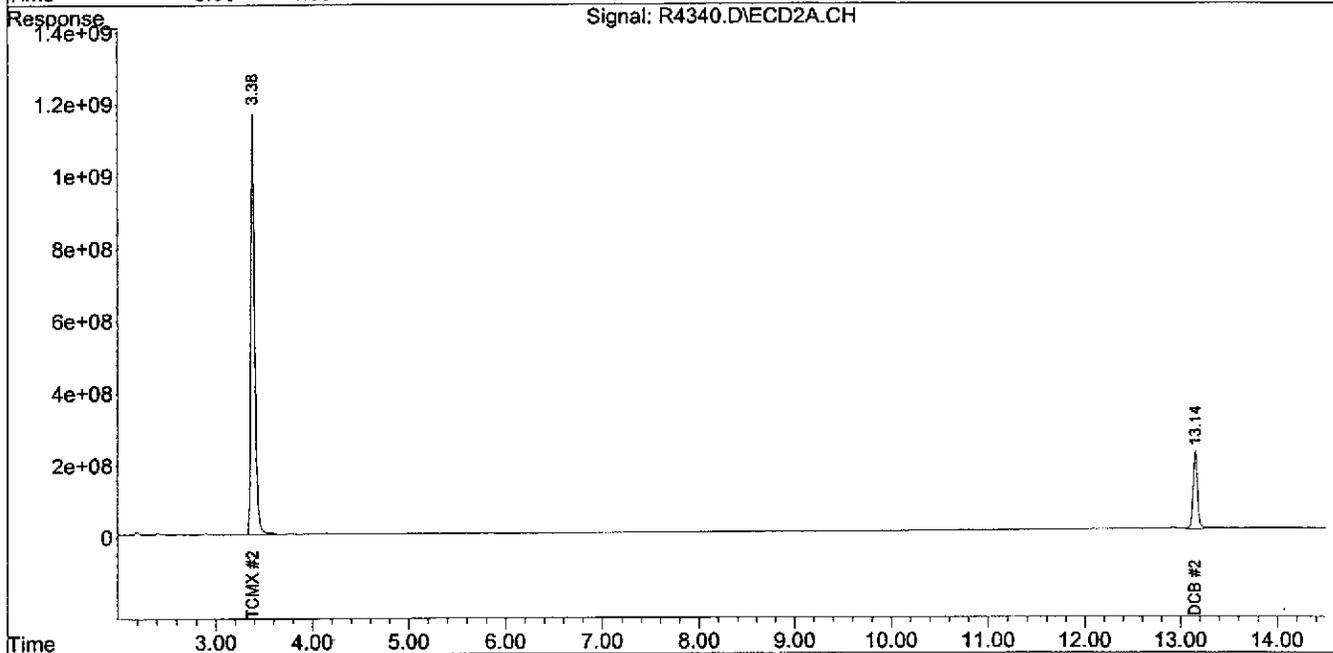
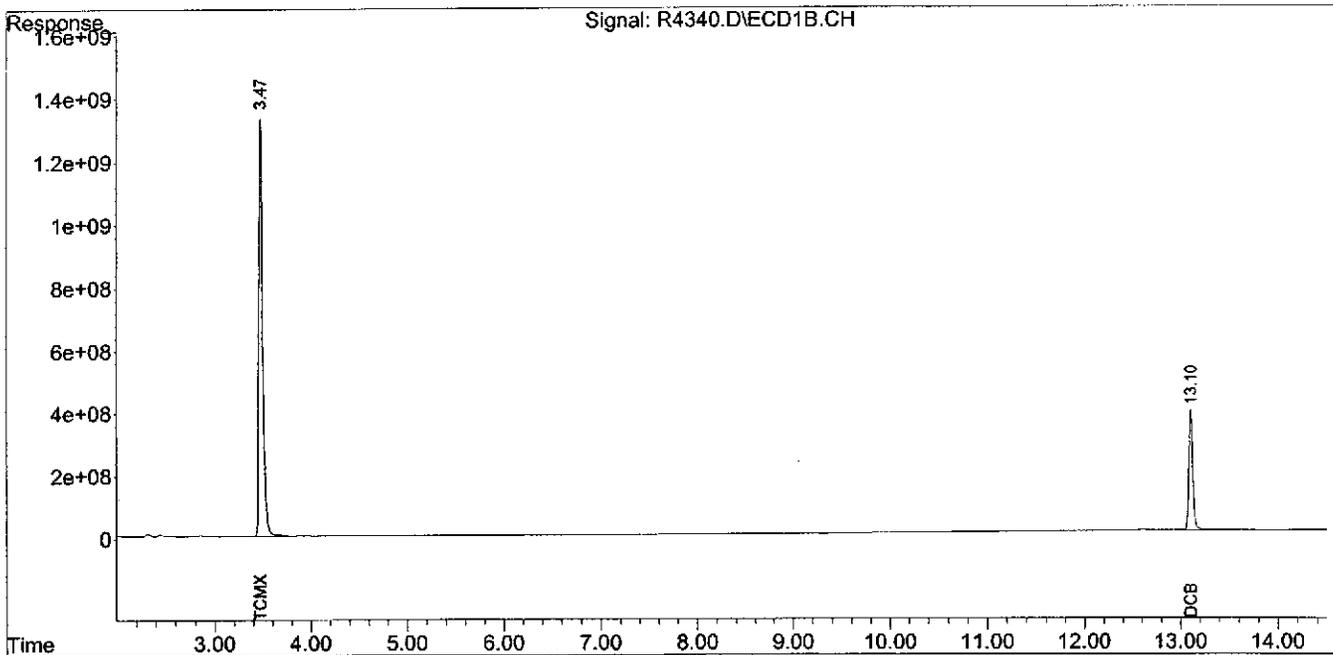
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-12-12\
Data File : R4340.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Oct 2012 19:53
Operator : YG
Sample : PCB,BLKS121011-05,S,5.00g,0,10/11/12,4
Misc : NA,NA,NA,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 15 13:28:36 2012
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
Quant Title :
QLast Update : Fri Sep 28 15:54:16 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS121011-03
 Client ID: PCB
 Date Received: NA
 Date Extracted: 10/11/2012
 Date Analyzed: 10/15/2012
 Data file: Y2456.D

GC Column: DB-5/DB1701P
 Sample wt/vol: 5.00g
 Matrix-Units: Soil-mg/Kg (ppm)
 Dilution Factor: 1
 % Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
 Data File : Y2456.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 15 Oct 2012 17:47
 Operator : YG
 Sample : PCB,BLKS121011-03,S,5.00g,0,10/11/12,4
 Misc : NA,NA,NA,1
 ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 16 14:48:07 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:16:12 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

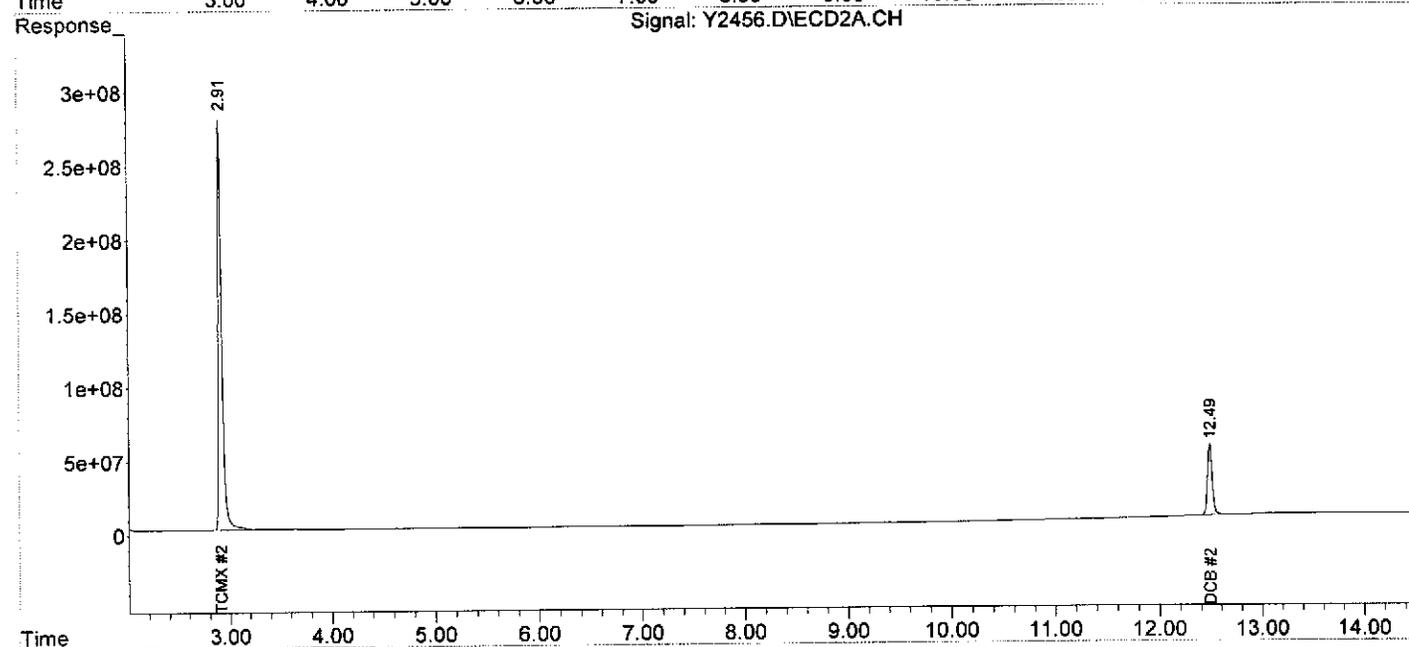
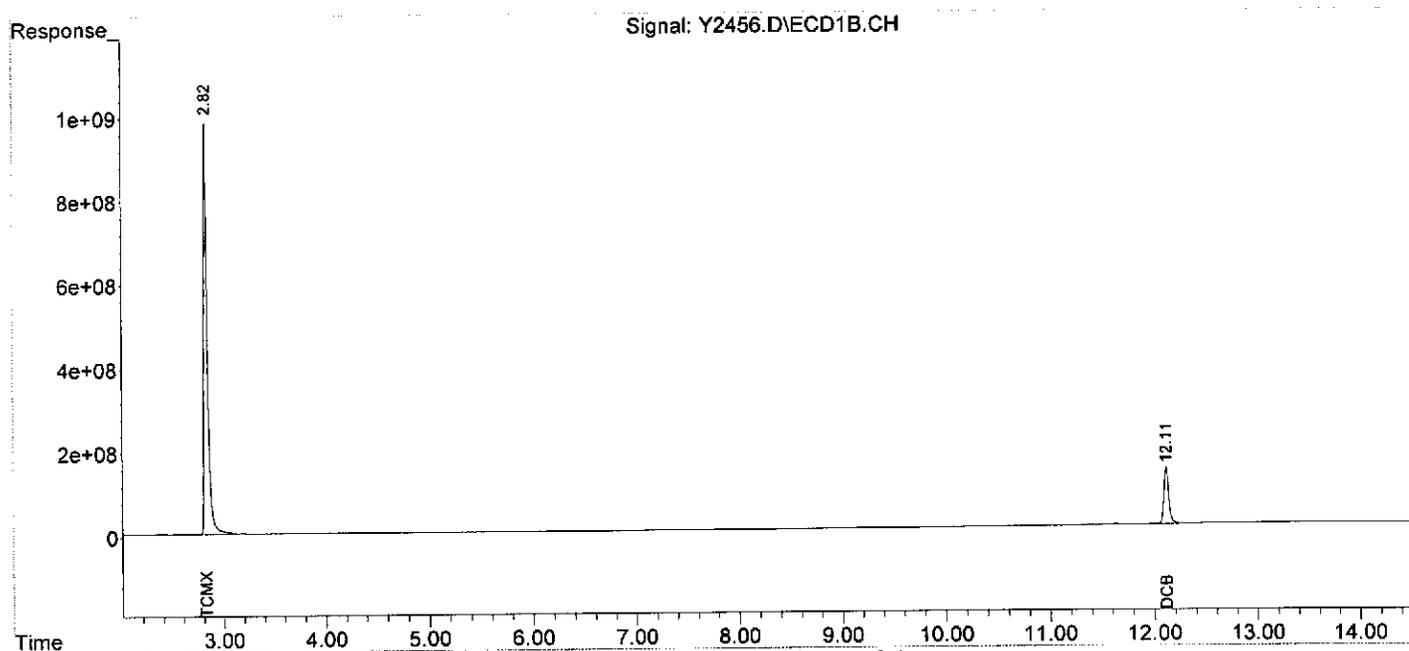
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.82	2.91	24785.8E6	7118.6E6	239.906	223.068
Spiked Amount	200.000		Recovery	=	119.95%	111.53%
2) S DCB	12.11	12.49	4440.2E6	1556.1E6	205.983	210.112m
Spiked Amount	200.000		Recovery	=	102.99%	105.06%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\10-15-12\
Data File : Y2456.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Oct 2012 17:47
Operator : YG
Sample : PCB,BLKS121011-03,S,5.00g,0,10/11/12,4
Misc : NA,NA,NA,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 16 14:48:07 2012
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
Quant Title :
QLast Update : Fri Sep 28 17:16:12 2012
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\09-28-12\09-28-12\
 Data File : Y2067.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 28 Sep 2012 15:43
 Operator : YG
 Sample : 8082_1248_IAS_4424,0.5_PPM
 Misc : NA,NA,NA,1
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 28 17:13:21 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:12:55 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

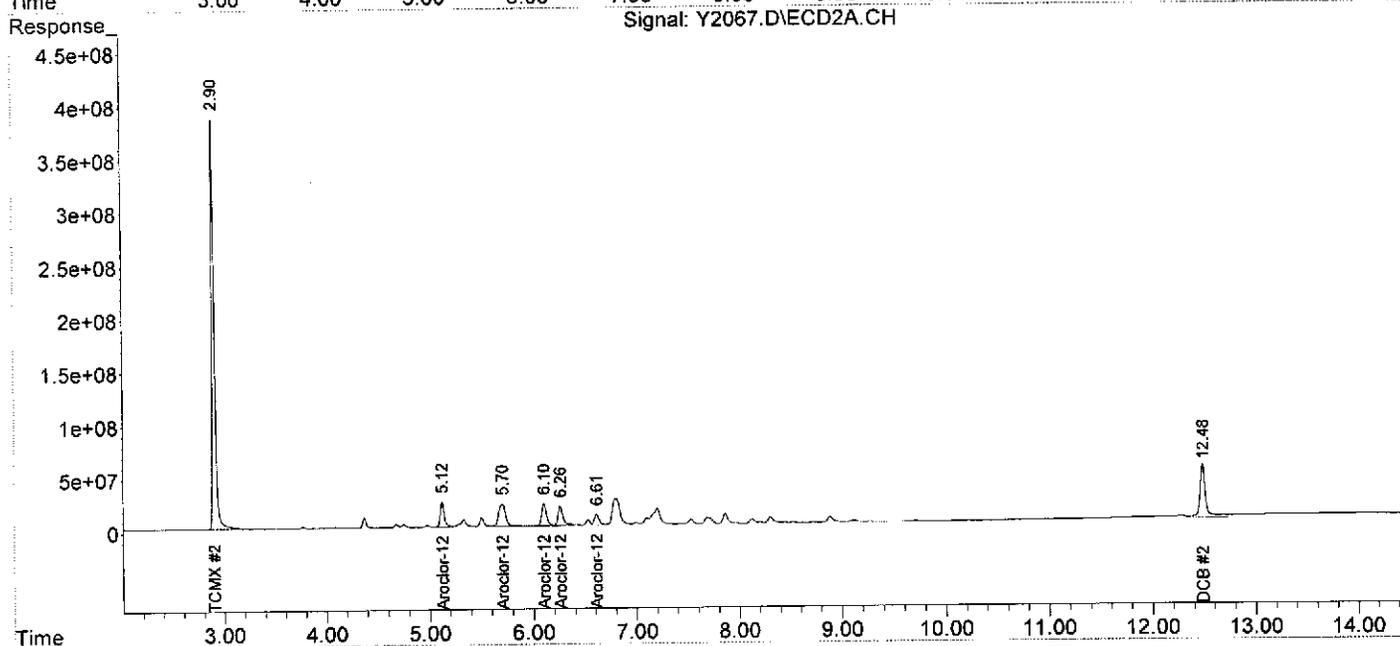
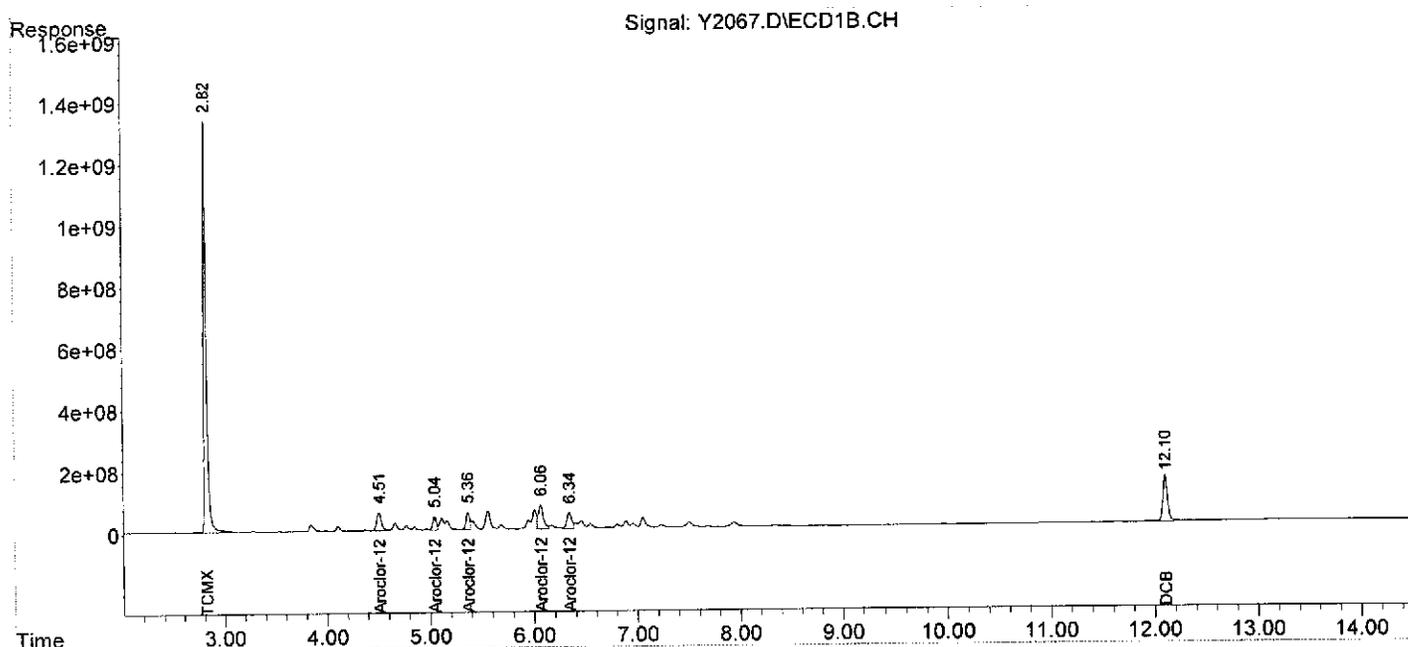
System Monitoring Compounds						
1) S TCMX	2.82	2.90	24446.6E6	7248.1E6	236.622	227.125
Spiked Amount	200.000		Recovery =		118.31%	113.56%
2) S DCB	12.10	12.48	4976.3E6	2053.6E6	230.854	277.284
Spiked Amount	200.000		Recovery =		115.43%	138.64%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.51	5.12	1975.7E6	645.0E6	500.000	500.000
24) L6 Aroclor-1248 {2}	5.05	5.70	1077.3E6	957.8E6	500.000	500.000
25) L6 Aroclor-1248 {3}	5.37	6.10	1449.9E6	678.7E6	500.000	500.000
26) L6 Aroclor-1248 {4}	6.06	6.26	2580.3E6	620.4E6	500.000	500.000
27) L6 Aroclor-1248 {5}	6.34	6.61	1728.1E6	338.3E6	500.000	500.000
Sum Aroclor-1248			8811.3E6	3240.1E6	2500.000	2500.000
Average Aroclor-1248					500.000	500.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\09-28-12\09-28-12\
 Data File : Y2067.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 28 Sep 2012 15:43
 Operator : YG
 Sample : 8082_1248_IAS_4424,0.5_PPM
 Misc : NA,NA,NA,1
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 28 17:13:21 2012
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 17:12:55 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-28-12\
 Data File : R4031.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 28 Sep 2012 13:01
 Operator : YG
 Sample : 8082_1248_IAS_4424,0.5_PPM
 Misc : NA,NA,NA,1
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 28 15:50:13 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:49:49 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.48	3.39	40667.1E6	38015.0E6	250.855	257.796
Spiked Amount	200.000				Recovery = 125.43%	128.90%
2) S DCB	13.10	13.15	10303.1E6	7641.6E6	202.689	206.837
Spiked Amount	200.000				Recovery = 101.34%	103.42%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	5.30	5.68	3862.6E6	3363.1E6	500.000	500.000
24) L6 Aroclor-1248 {2}	5.86	6.28	2110.6E6	4804.0E6	500.000	500.000
25) L6 Aroclor-1248 {3}	6.20	6.68	2771.6E6	3589.1E6	500.000	500.000
26) L6 Aroclor-1248 {4}	6.93	6.84	4529.9E6	3091.9E6	500.000	500.000
27) L6 Aroclor-1248 {5}	7.21	7.19	3523.8E6	1814.5E6	500.000	500.000
Sum Aroclor-1248			16798.5E6	16662.7E6	2500.000	2500.000
Average Aroclor-1248					500.000	500.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

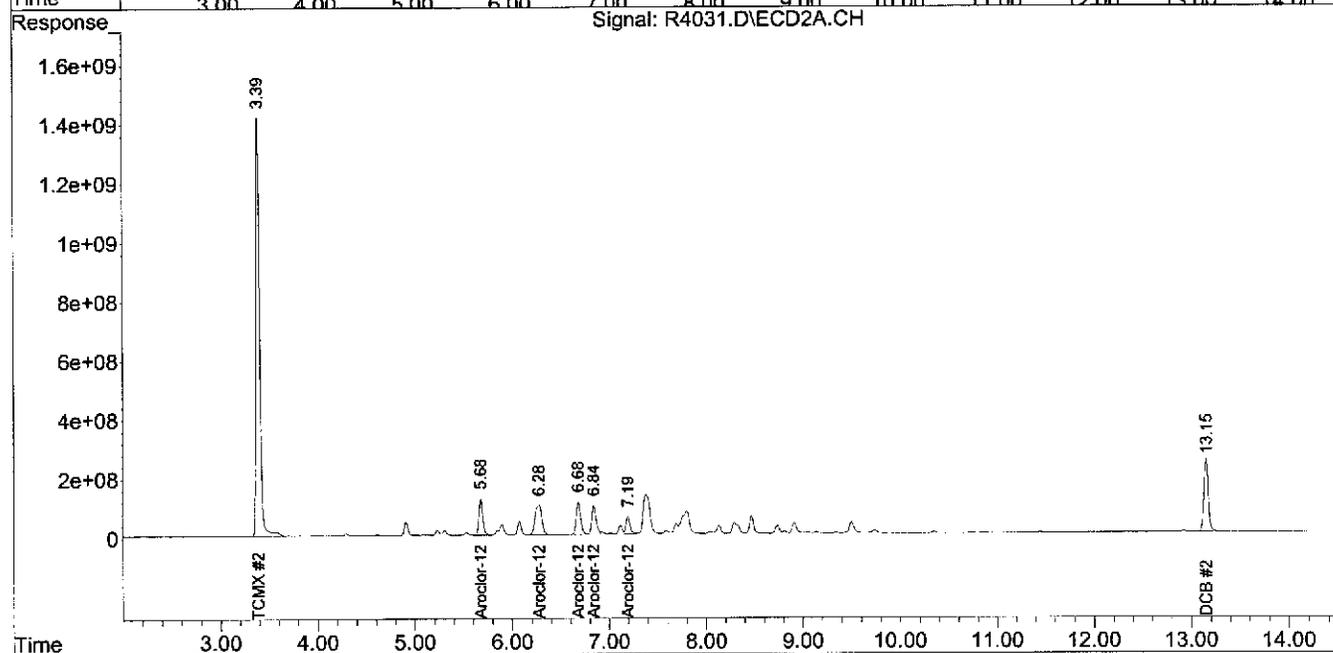
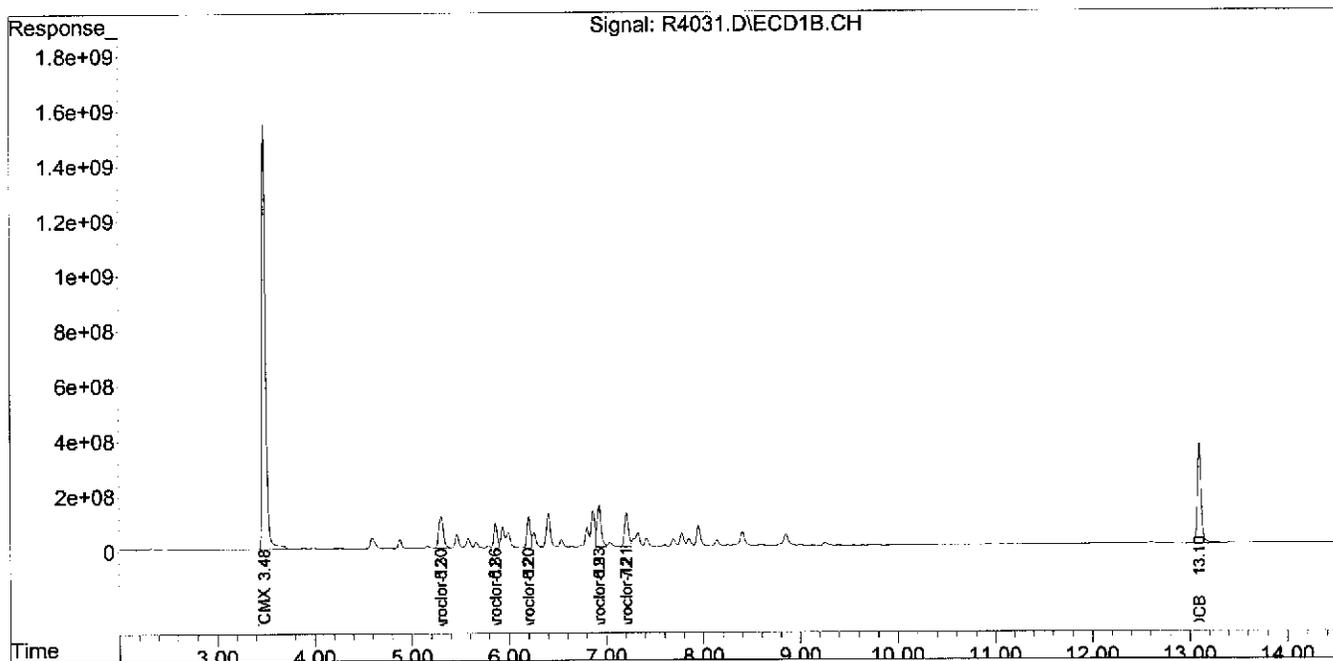
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\09-28-12\
 Data File : R4031.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 28 Sep 2012 13:01
 Operator : YG
 Sample : 8082_1248_IAS_4424,0.5_PPM
 Misc : NA,NA,NA,I
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 28 15:50:13 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:49:49 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\09-28-12\
 Data File : R4035.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 28 Sep 2012 14:21
 Operator : YG
 Sample : 8082_C_IAS_4395,0.5_PPM
 Misc : NA,NA,NA,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 28 14:36:47 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	3.49	3.40	32118.8E6	29440.0E6	198.125	199.645
Spiked Amount	200.000		Recovery	=	99.06%	99.82%
2) S DCB	13.10	13.16	8716.6E6	6529.7E6	171.480	176.740
Spiked Amount	200.000		Recovery	=	85.74%	88.37%
Target Compounds						
3) L2 Aroclor-1016	3.99	4.31	1489.4E6	1444.7E6	477.088	514.809
4) L2 Aroclor-1016 {2}	4.88	4.92	1833.4E6	2693.5E6	449.795	501.318
5) L2 Aroclor-1016 {3}	5.47	5.69	2748.9E6	6015.8E6	508.982	501.791
6) L2 Aroclor-1016 {4}	6.00	5.91	1306.0E6	2607.3E6	532.759	510.014
7) L2 Aroclor-1016 {5}	6.41	6.09	2247.5E6	2073.7E6	503.494	478.025
Sum Aroclor-1016			9625.2E6	14835.1E6	2472.118	2505.957
Average Aroclor-1016					494.424	501.191
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	9.26	8.74	7104.5E6	3137.0E6	521.444	493.405
34) L8 Aroclor-1260 {2}	9.95	9.15	3199.9E6	3589.8E6	501.689	504.548
35) L8 Aroclor-1260 {3}	10.43	10.35	9432.1E6	2749.6E6	483.034	496.229
36) L8 Aroclor-1260 {4}	10.92	10.86	4129.3E6	5870.5E6	469.238	504.719
37) L8 Aroclor-1260 {5}	11.99	11.45	1703.5E6	4129.5E6	455.995	523.646
Sum Aroclor-1260			25569.2E6	19476.4E6	2431.400	2522.546
Average Aroclor-1260					486.280	504.509
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Data Path : C:\MSDCHEM\1\DATA\09-28-12\
 Data File : R4035.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 28 Sep 2012 14:21
 Operator : YG
 Sample : 8082_C_IAS_4395,0.5_PPM
 Misc : NA,NA,NA,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 28 14:36:47 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

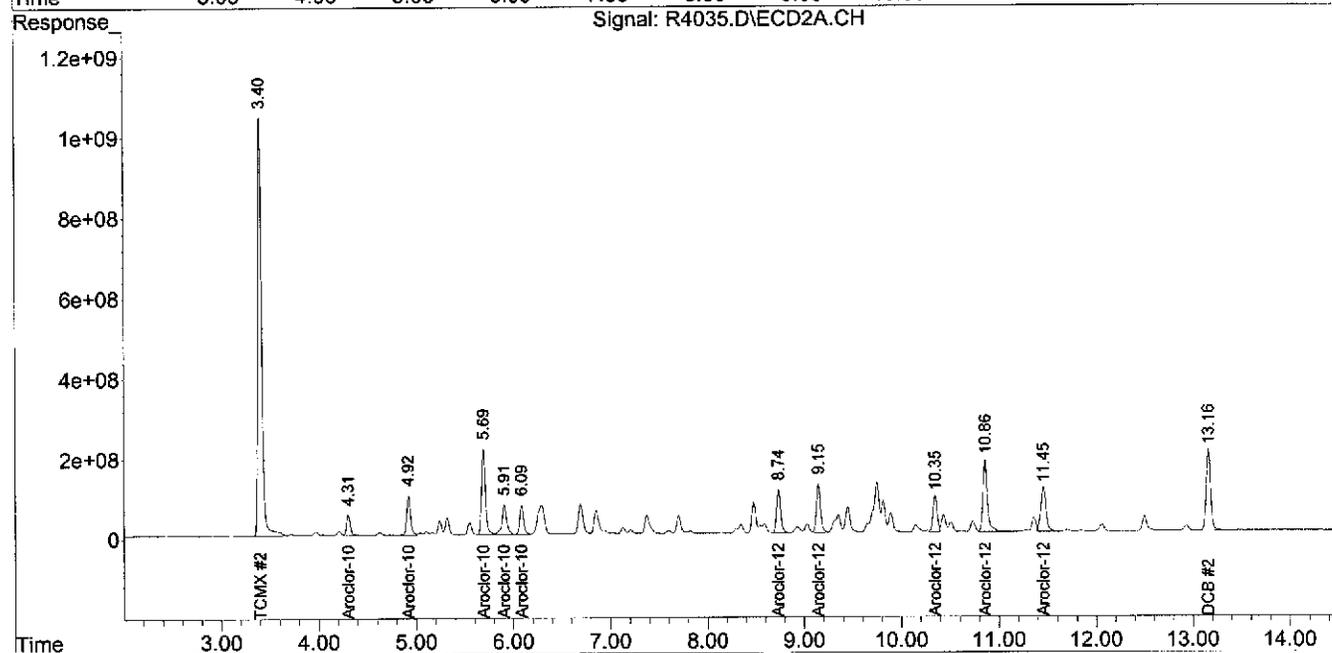
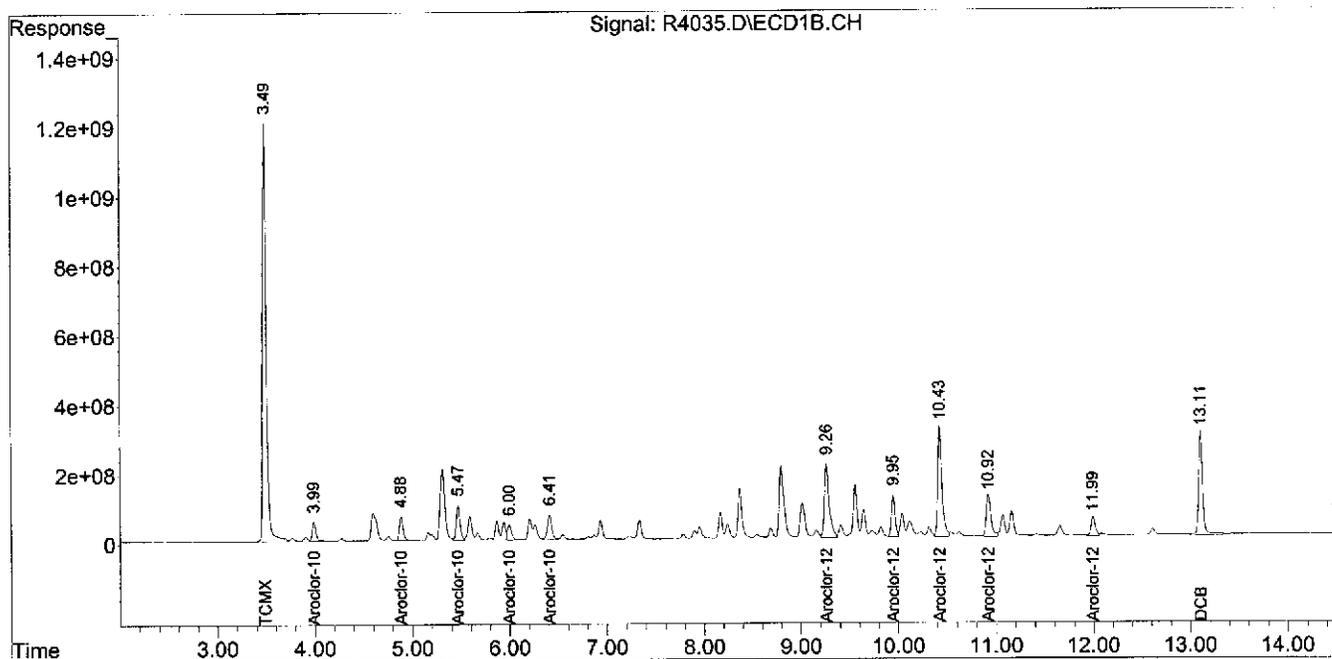
Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
----------	------	------	--------	--------	------	------

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\09-28-12\
 Data File : R4035.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 28 Sep 2012 14:21
 Operator : YG
 Sample : 8082_C_IAS_4395,0.5_PPM
 Misc : NA,NA,NA,1
 ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Sep 28 14:36:47 2012
 Quant Method : C:\MSDCHEM\1\METHODS\RPCB0928.M
 Quant Title :
 QLast Update : Fri Sep 28 15:54:16 2012
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :



SAMPLE TRACKING

PROJECT INFORMATION



Case No. **E12-09988** Project **ARSYNCO**

Customer JMC Environmental Consultants	P.O. # 22126
Contact Jim Clabby	Received 10/2/2012 17:05
E-Mail jclabby@jmcenvironmental.com; <input checked="" type="checkbox"/> EMail EDDs	Verbal Due 10/17/2012
Phone ahallgreen@jmcenvironmental.com (732) 285-3144; Fax (732) 295-2150	Report Due 10/24/2012
Report To	Bill To
2109 Bridge Avenue	Aceto Corp.
Building B	4 Tri Harbor Court
Point Pleasant, NJ 08742	Port Washington, NY 11050
Attn: Jim Clabby	Attn: Mr. Ed Kelly
Report Format Reduced	
Additional Info <input type="checkbox"/> State Form <input type="checkbox"/> Field Sampling <input type="checkbox"/> Conditional VOA	

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
09988-001	BB-44 (0-1.0)	0 / 1	10/2/2012@09:12	Soil	mg/Kg	1
09988-002	BB-44 (1.0-2.0)	1 / 2	10/2/2012@09:13	Soil	mg/Kg	1
09988-003	BB-44 (2.0-3.0)	2 / 3	10/2/2012@09:14	Soil	mg/Kg	1
09988-004	BB-44 (3.0-4.0)	3 / 4	10/2/2012@09:15	Soil	mg/Kg	1
09988-005	BB-43 (0-1.0)	0 / 1	10/2/2012@10:00	Soil	mg/Kg	1
09988-006	BB-43 (1.0-2.0)	1 / 2	10/2/2012@10:01	Soil	mg/Kg	1
09988-007	BB-43 (2.0-3.0)	2 / 3	10/2/2012@10:02	Soil	mg/Kg	1
09988-008	BB-43 (3.0-4.0)	3 / 4	10/2/2012@10:03	Soil	mg/Kg	1
09988-009	CC-43 (0-1.0)	0 / 1	10/2/2012@11:06	Soil	mg/Kg	1
09988-010	CC-43 (1.0-2.0)	1 / 2	10/2/2012@11:07	Soil	mg/Kg	1
09988-011	CC-43 (2.0-3.0)	2 / 3	10/2/2012@11:08	Soil	mg/Kg	1
09988-012	CC-43 (3.0-4.0)	3 / 4	10/2/2012@11:09	Soil	mg/Kg	1
09988-013	DD-41 (0-1.0)	0 / 1	10/2/2012@11:52	Soil	mg/Kg	1
09988-014	DD-41 (1.0-2.0)	1 / 2	10/2/2012@11:53	Soil	mg/Kg	1
09988-015	DD-41 (2.0-3.0)	2 / 3	10/2/2012@11:54	Soil	mg/Kg	1
09988-016	DD-41 (3.0-4.0)	3 / 4	10/2/2012@11:55	Soil	mg/Kg	1
09988-017	DD-40 (0-1.0)	0 / 1	10/2/2012@13:07	Soil	mg/Kg	1
09988-018	DD-40 (1.0-2.0)	1 / 2	10/2/2012@13:08	Soil	mg/Kg	1
09988-019	DD-40 (2.0-3.0)	2 / 3	10/2/2012@13:09	Soil	mg/Kg	1
09988-020	DD-40 (3.0-4.0)	3 / 4	10/2/2012@13:10	Soil	mg/Kg	1
09988-021	DD-42 (0-1.0)	0 / 1	10/2/2012@14:37	Soil	mg/Kg	1
09988-022	DD-42 (1.0-2.0)	1 / 2	10/2/2012@14:38	Soil	mg/Kg	1
09988-023	DD-42 (2.0-3.0)	2 / 3	10/2/2012@14:39	Soil	mg/Kg	1
09988-024	DD-42 (3.0-4.0)	3 / 4	10/2/2012@14:40	Soil	mg/Kg	1
09988-025	FB-44	n/a	10/2/2012@14:50	Aqueous	mg/L	2

Sample #	Tests	Status	QA Method
001	TCL PCB	Run	8082
002	TCL PCB	Run	8082
003	TCL PCB	Run	8082

PROJECT INFORMATION



E 1 2 - 0 9 9 8 8

Case No. **E12-09988**

Project **ARSYNCO**

<u>Sample #</u>	<u>Tests</u>	<u>Status</u>	<u>QA Method</u>
004	TCL PCB	Run	8082
005	TCL PCB	Run	8082
006	TCL PCB	Run	8082
007	TCL PCB	Run	8082
008	TCL PCB	Run	8082
009	TCL PCB	Run	8082
010	TCL PCB	Run	8082
011	TCL PCB	Run	8082
012	TCL PCB	Run	8082
013	TCL PCB	Run	8082
014	TCL PCB	Run	8082
015	TCL PCB	Run	8082
016	TCL PCB	Run	8082
017	TCL PCB	Run	8082
018	TCL PCB	Run	8082
019	TCL PCB	Run	8082
020	TCL PCB	Run	8082
021	TCL PCB	Run	8082
022	TCL PCB	Run	8082
023	TCL PCB	Run	8082
024	TCL PCB	Run	8082
025	TCL PCB	Run	8082

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: E 12

09988

CLIENT:

JMC

COOLER TEMPERATURE: 2° - 6°C:

(See Chain of Custody)

Comments

COC: COMPLETE / INCOMPLETE

KEY

- = YES/NA
- = NO

Bottles Intact

no-Missing Bottles

no-Extra Bottles

Sufficient Sample Volume

no-headspace/bubbles in VOs

Labels intact/correct

pH Check (exclude VOs)¹

Correct bottles/preservative

Sufficient Holding/Prep Time¹

Sample to be Subcontracted

Chain of Custody is Clear

¹ All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY:

INITIAL

[Handwritten Signature]

DATE

10/2/12

CORRECTIVE ACTION REQUIRED:

YES

(SEE BELOW)

NO

If COC is NOT clear, STOP until you get client to authorize/clarify work.

CLIENT NOTIFIED:

YES

Date/ Time:

NO

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY:

INITIAL

[Handwritten Signature]

DATE

10-31-12-09988

0171

Laboratory Custody Chronicle

IAL Case No.

E12-09988

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/ 2/2012@17:05

Department: GC

TCL PCB

			<u>Prep. Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
"	09988-001	Soil	10/11/12	Archimede	10/15/12	Julia
"	-002	"	10/11/12	Archimede	10/15/12	Julia
"	-003	"	10/11/12	Archimede	10/15/12	Julia
"	-004	"	10/11/12	Archimede	10/15/12	Julia
"	-005	"	10/11/12	Archimede	10/16/12	Julia
"	-006	"	10/11/12	Archimede	10/16/12	Julia
"	-007	"	10/11/12	Archimede	10/16/12	Julia
"	-008	"	10/11/12	Archimede	10/15/12	Julia
"	-009	"	10/11/12	Archimede	10/15/12	Julia
"	-010	"	10/11/12	Archimede	10/16/12	Julia
"	-011	"	10/11/12	Archimede	10/15/12	Julia
"	-012	"	10/11/12	Archimede	10/15/12	Julia
"	-013	"	10/11/12	Archimede	10/15/12	Julia
"	-014	"	10/11/12	Archimede	10/16/12	Julia
"	-015	"	10/11/12	Archimede	10/15/12	Julia
"	-016	"	10/11/12	Archimede	10/15/12	Julia
"	-017	"	10/11/12	Archimede	10/16/12	Julia
"	-018	"	10/11/12	Archimede	10/16/12	Julia
"	-019	"	10/11/12	Archimede	10/15/12	Julia
"	-020	"	10/11/12	Archimede	10/15/12	Julia
"	-021	"	10/11/12	Archimede	10/15/12	Julia
"	-022	"	10/11/12	Archimede	10/12/12	Julia
"	-023	"	10/11/12	Archimede	10/15/12	Julia
"	-024	"	10/11/12	Archimede	10/12/12	Julia
"	-025	Aqueous	10/ 4/12	Archimede	10/ 5/12	Julia